



General Purpose Strain Gages - Linear Patterns

FEATURES

- Gage patterns designed for measuring strain in a single direction
- Single-grid and parallel dual-grid patterns
- Gage lengths from 0.008 in (0.20 mm) to 0.500 in (12.7 mm)

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|-------------------------|-----------------------|---|--|--|---|-------------------|
| ES = Each section | CP = Complete pattern | inch millimeter | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| S = Section (S1= Sec 1) | M = Matrix | | | | | |

| 008CL  | | | | Micro-grid gage for strain measurement in high-gradient areas. | | |
|---|----------------|------------|---------------|--|------------|--|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | SA-XX-008CL-120 | 120 ± 1.0% | |
| 0.008 | 0.080 | 0.010 | 0.068 | | | |
| 0.20 | 2.03 | 0.25 | 1.73 | | | |
| MATRIX SIZE | 0.20L x 0.13W | | 5.1L x 3.3W | | | |

| 015CK  | | | | Micro-miniature pattern with enlarged solder tabs. See also 015UW pattern. | | |
|---|----------------|------------|---------------|--|--|-------------------|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-015CK-120 WA-XX-015CK-120 EP-08-015CK-120 SA-XX-015CK-120 | 120 ± 0.3% 120 ± 0.5% 120 ± 0.3% 120 ± 0.5% | W, E, L, LE W* |
| 0.015 | 0.065 | 0.020 | 0.064 | | | |
| 0.38 | 1.65 | 0.51 | 1.63 | | | |
| MATRIX SIZE | 0.19L x 0.15W | | 4.8L x 3.8W | | | |






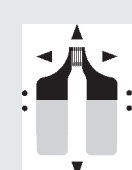
*Options available but not normally recommended. See Optional Features datasheet for details.









General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | | | Actual size shown. Enlarged when necessary for definition. | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE | |
|---|----------------|------------|---------------|---|---|--|--|--|
| ES = Each section S = Section (S1= Sec 1) | | | | CP = Complete pattern M = Matrix | <div>inch</div> <div>millimeter</div> | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>015DJ</div> <div><div><div>1X</div><div>4X</div></div></div> | | | | | Micro-miniature pattern with tab at each end of grid. See also 015EH pattern. | | | |
| | | | | | | | L, LE | |
| | | | | | | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-015DJ-120 | 120 ± 0.3% | | | |
| 0.015 | 0.100 | 0.020 | 0.020 | EP-08-015DJ-120 | 120 ± 0.3% | | | |
| 0.38 | 2.54 | 0.51 | 0.51 | SA-XX-015DJ-120 | 120 ± 0.6% | | | |
| MATRIX SIZE | 0.23L x 0.12W | | 5.8L x 3.0W | SK-XX-015DJ-120 | 120 ± 0.6% | | | |
| <div>015DV</div> <div><div><div>1X</div><div>6X</div></div></div> | | | | | Micro-miniature pattern with higher power dissipation than 015EH pattern. | | | |
| | | | | | | | L, LE | |
| | | | | | | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-015DV-120 | 120 ± 0.3% | | | |
| 0.015 | 0.080 | 0.050 | 0.050 | EP-08-015DV-120 | 120 ± 0.3% | | | |
| 0.38 | 2.03 | 1.27 | 1.27 | SA-XX-015DV-120 | 120 ± 0.6% | | | |
| MATRIX SIZE | 0.17L x 0.14W | | 4.3L x 3.6W | | | | | |
| <div>015EH</div> <div><div><div>1X</div><div>4X</div></div></div> | | | | | Similar to 015DJ pattern but with tab at each side of grid. | | | |
| | | | | | | | L, LE | |
| | | | | | | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-015EH-120 | 120 ± 0.3% | | | |
| 0.015 | 0.025 | 0.020 | 0.100 | EP-08-015EH-120 | 120 ± 0.3% | | | |
| 0.38 | 0.64 | 0.51 | 2.54 | SA-XX-015EH-120 | 120 ± 0.6% | | | |
| MATRIX SIZE | 0.15L x 0.19W | | 3.8L x 4.8W | SK-XX-015EH-120 | 120 ± 0.6% | | | |

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE | | | |
|---|----------------|---|---------------|--|---|--|--|--|--|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | | | | |
| <div>015LA</div> <div><div></div><div>1X</div><div></div><div>4X</div></div> | | | | Primarily used in small radii where gage tabs must be at one end. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | |
| 0.015 | 0.070 | 0.020 | 0.020 | | | | | | |
| 0.38 | 1.78 | 0.51 | 0.51 | | | | | | |
| MATRIX SIZE | 0.18L x 0.10W | | 4.6L x 2.5W | EA-XX-015LA-120 EP-08-015LA-120 | 120 ± 0.3% 120 ± 0.3% | | | | |
| <div>015SE</div> <div><div></div><div>1X</div><div></div><div>6X</div></div> | | | | Micro-miniature pattern with tabs on one side for use near abutments. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | |
| 0.015 | 0.064 | 0.020 | 0.065 | | | | | | |
| 0.38 | 1.63 | 0.51 | 1.65 | EA-XX-015SE-120 EP-08-015SE-120 SA-XX-015SE-120 | 120 ± 0.3% 120 ± 0.3% 120 ± 0.6% | W, E, L, LE | | | |
| MATRIX SIZE | 0.16L x 0.14W | | 4.1L x 3.6W | | | | | | |
| <div>015UW</div> <div><div><div>'C' FEATURE</div><div></div><div>1X</div><div></div><div>4X</div></div></div> | | | | Micro-miniature pattern. Exposed solder tab area is 0.06 x 0.04 in (1.5 x 1.0 mm). See also 015CK pattern. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | |
| 0.015 | 0.140 | 0.020 | 0.105 | | | | | | |
| 0.38 | 3.56 | 0.51 | 2.67 | | | | | | |
| MATRIX SIZE | 0.24L x 0.18W | | 6.1L x 4.6W | CEA-XX-015UW-120 | 120 ± 0.3% | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. | | | |

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|--|---|--|---|--|---|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>030LB</div> <div><div></div><div>1X</div><div></div><div>6X</div></div> | | | | Miniature gage pattern for small radii where gage tabs must be at one end. | | |
| GAGE LENGTH | | OVERALL LENGTH | | GRID WIDTH | | OVERALL WIDTH |
| 0.030 | | 0.094 | | 0.030 | | 0.030 |
| 0.76 | | 2.39 | | 0.76 | | 0.76 |
| MATRIX SIZE | | 0.24L x 0.15W | | 6.1L x 3.8W | | EA-XX-030LB-120 EP-08-030LB-120 SA-XX-030LB-120 120 ± 0.2% 120 ± 0.2% 120 ± 0.4% SE |
| <div>031CE</div> <div><div></div><div>1X</div><div></div><div>6X</div></div> | | | | General-purpose high-resistance miniature gage. See also 031CF and 032UW patterns. | | |
| GAGE LENGTH | | OVERALL LENGTH | | GRID WIDTH | | OVERALL WIDTH |
| 0.031 | | 0.076 | | 0.062 | | 0.062 |
| 0.79 | | 1.93 | | 1.57 | | 1.57 |
| MATRIX SIZE | | 0.23L x 0.16W | | 5.8L x 4.1W | | EA-XX-031CE-350 WA-XX-031CE-350 EP-08-031CE-350 SA-XX-031CE-350 350 ± 0.2% 350 ± 0.4% 350 ± 0.2% 350 ± 0.4% W, E, L, LE, P |
| <div>031CF</div> <div><div></div><div>1X</div><div></div><div>6X</div></div> | | | | General-purpose miniature gage. Similar to 031CE pattern except for resistance. See also 032UW pattern. | | |
| GAGE LENGTH | | OVERALL LENGTH | | GRID WIDTH | | OVERALL WIDTH |
| 0.031 | | 0.076 | | 0.062 | | 0.062 |
| 0.79 | | 1.93 | | 1.57 | | 1.57 |
| MATRIX SIZE | | 0.19L x 0.14W | | 4.8L x 3.5W | | EA-XX-031CF-120 ED-DY-031CF-350 WA-XX-031CF-120 WK-XX-031CF-350 EP-08-031CF-120 SA-XX-031CF-120 SK-XX-031CF-120 SK-XX-031CF-350 SD-DY-031CF-350 120 ± 0.2% 350 ± 0.4% 120 ± 0.4% 350 ± 0.4% 120 ± 0.2% 120 ± 0.4% 120 ± 0.4% 350 ± 0.4% 350 ± 0.8% W, E, L, LE, P E, L*, LE* |

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small> | | GAGE DESIGNATION <small>Insert desired S-T-C number in spaces marked XX.</small> | RES. IN OHMS <small>Tolerance is increased when Option W, E, SE, LE, or P is specified.</small> | OPTIONS AVAILABLE |
|--|-----------------------|---|--|-------------------|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | CP = Complete pattern | <div>inch millimeter</div> | | |

| 031DE | | | | General-purpose miniature gage. See also 031EC pattern. | | |
|--------------|----------------|------------|---------------|---|------------|--|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-031DE-120 | 120 ± 0.2% | E, SE, L, LE E, SE, L, LE E, L*, LE* |
| 0.031 | 0.140 | 0.032 | 0.032 | EA-XX-031DE-350 | 350 ± 0.2% | |
| 0.79 | 3.56 | 0.81 | 0.81 | ED-DY-031DE-350 | 350 ± 0.4% | |
| MATRIX SIZE | | | | WA-XX-031DE-120 | 120 ± 0.4% | |
| | | | | WA-XX-031DE-350 | 350 ± 0.4% | |
| | | | | WK-XX-031DE-350 | 350 ± 0.4% | |
| | | | | EP-08-031DE-120 | 120 ± 0.2% | |
| | | | | SA-XX-031DE-120 | 120 ± 0.4% | |
| | | | | SA-XX-031DE-350 | 350 ± 0.4% | |
| | | | | SK-XX-031DE-120 | 120 ± 0.4% | |
| | | | | SK-XX-031DE-350 | 350 ± 0.4% | |
| | | | | SD-DY-031DE-350 | 350 ± 0.8% | |

| 031EC | | | | General-purpose miniature gage. Similar to 031DE pattern but with tab at each side of grid. | | |
|--------------|----------------|------------|---------------|---|------------|--|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-031EC-120 | 120 ± 0.2% | E, SE, L, LE E, SE, L, LE E, L*, LE* |
| 0.031 | 0.042 | 0.032 | 0.140 | EA-XX-031EC-350 | 350 ± 0.2% | |
| 0.79 | 1.07 | 0.81 | 3.56 | ED-DY-031EC-350 | 350 ± 0.4% | |
| MATRIX SIZE | | | | WA-XX-031EC-120 | 120 ± 0.4% | |
| | | | | WA-XX-031EC-350 | 350 ± 0.4% | |
| | | | | WK-XX-031EC-350 | 350 ± 0.4% | |
| | | | | EP-08-031EC-120 | 120 ± 0.2% | |
| | | | | SA-XX-031EC-120 | 120 ± 0.4% | |
| | | | | SA-XX-031EC-350 | 350 ± 0.4% | |
| | | | | SK-XX-031EC-120 | 120 ± 0.4% | |
| | | | | SK-XX-031EC-350 | 350 ± 0.4% | |
| | | | | SD-DY-031EC-350 | 350 ± 0.8% | |

| 032SG | | | | Miniature gage with side-tab geometry. | | |
|--------------|----------------|------------|---------------|--|------------|----------------|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-032SG-120 | 120 ± 0.2% | W, E, L, LE, P |
| 0.032 | 0.064 | 0.032 | 0.072 | WA-XX-032SG-120 | 120 ± 0.4% | |
| 0.81 | 1.63 | 0.81 | 1.83 | WK-XX-032SG-120 | 120 ± 0.4% | |
| MATRIX SIZE | | | | EP-08-032SG-120 | 120 ± 0.2% | |
| | | | | SA-XX-032SG-120 | 120 ± 0.4% | |
| | | | | SK-XX-032SG-120 | 120 ± 0.4% | |

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|--|---|--|--|---|-------------------|
| ES = Each section S = Section (S1= Sec 1) | | CP = Complete pattern M = Matrix | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| | | <div>inch</div> <div>millimeter</div> | | | | |







| | | | | | | |
|--|----------------|------------|---------------|--|------------|--|
| 032UW | | | | General-purpose miniature gage. Exposed solder tab area is 0.07 x 0.04 in (1.8 x 1.0 mm). | | |
| <div><div><div><div></div><div></div><div></div></div><div>1X</div></div><div><div><div><div></div><div></div><div></div></div><div>2X</div></div><div>'C' FEATURE</div></div></div> | | | | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables) | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | CEA-XX-032UW-120 | 120 ± 0.3% | |
| 0.032 | 0.180 | 0.060 | 0.120 | | | |
| 0.81 | 4.57 | 1.52 | 3.05 | | | |
| MATRIX SIZE | 0.27L x 0.19W | | 6.9L x 4.8W | | | |

| | | | | | | |
|--|----------------|------------|---------------|------------------------------------|---------------------------|---|
| 045AL | | | | Miniature high-resistance gage. | | |
| <div><div><div><div></div><div></div><div></div></div><div>1X</div></div><div><div><div><div></div><div></div><div></div></div><div>4X</div></div></div></div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-045AL-350 SA-XX-045AL-350 | 350 ± 0.15% 350 ± 0.3% | E |
| 0.045 | 0.090 | 0.045 | 0.045 | | | |
| 1.14 | 2.29 | 1.14 | 1.14 | | | |
| MATRIX SIZE | 0.22L x 0.14W | | 5.6L x 3.6W | | | |

| | | | | | | |
|--|----------------|------------|---------------|--|--|------------------------|
| 050AH | | | | General-purpose miniature gage. | | |
| <div><div><div><div></div><div></div><div></div></div><div>1X</div></div><div><div><div><div></div><div></div><div></div></div><div>4X</div></div></div></div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-050AH-120 ED-DY-050AH-350 EP-08-050AH-120 SA-XX-050AH-120 SK-XX-050AH-350 SD-DY-050AH-350 | 120 ± 0.15% 350 ± 0.4% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.8% | E, L, LE E, L*, LE* |
| 0.050 | 0.100 | 0.040 | 0.040 | | | |
| 1.27 | 2.54 | 1.02 | 1.02 | | | |
| MATRIX SIZE | 0.23L x 0.14W | | 5.8L x 3.6W | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.







General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | | | Actual size shown. Enlarged when necessary for definition. | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE | |
|--|----------------|-------------|---------------|---|--|--|--|--|
| ES = Each section S = Section (S1= Sec 1) | | | | CP = Complete pattern M = Matrix | inch millimeter | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>050AR</div> <div><div></div><div></div></div> <div>1X4X</div> | | | | | General-purpose miniature gage with large solder tabs. | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-050AR-120 | 120 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* | | |
| 0.050 | 0.100 | 0.050 | 0.078 | ED-DY-050AR-350 | 350 ± 0.4% | | | |
| 1.27 | 2.54 | 1.27 | 1.98 | WA-XX-050AR-120 | 120 ± 0.3% | | | |
| | | | | WK-XX-050AR-350 | 350 ± 0.3% | | | |
| | | | | SA-XX-050AR-120 | 120 ± 0.3% | | | |
| MATRIX SIZE | 0.25L x 0.18W | 6.4L x 4.6W | | SK-XX-050AR-350 | 350 ± 0.3% | | | |
| | | | | SD-DY-050AR-350 | 350 ± 0.8% | | | |
| | | | | WD-DY-050AR-350 | 350 ± 0.8% | | | |
| <div>050SB</div> <div><div></div><div></div></div> <div>1X4X</div> | | | | | Similar to the 050AH pattern but with solder tabs at side of grid. | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-050SB-120 | 120 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* | | |
| 0.050 | 0.070 | 0.040 | 0.080 | ED-DY-050SB-350 | 350 ± 0.4% | | | |
| 1.27 | 1.78 | 1.02 | 2.03 | WA-XX-050SB-120 | 120 ± 0.3% | | | |
| | | | | WK-XX-050SB-350 | 350 ± 0.3% | | | |
| | | | | EP-08-050SB-120 | 120 ± 0.15% | | | |
| MATRIX SIZE | 0.19L x 0.19W | 4.8L x 4.8W | | SA-XX-050SB-120 | 120 ± 0.3% | | | |
| | | | | SK-XX-050SB-350 | 350 ± 0.3% | | | |
| | | | | SD-DY-050SB-350 | 350 ± 0.8% | | | |
| | | | | WD-DY-050SB-350 | 350 ± 0.8% | | | |
| <div>060BN</div> <div><div></div><div></div></div> <div>1X4X</div> | | | | | General-purpose miniature gage. | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-060BN-120 | 120 ± 0.15% | E, P E | | |
| 0.060 | 0.104 | 0.054 | 0.054 | ED-DY-060BN-350 | 350 ± 0.4% | | | |
| 1.52 | 2.64 | 1.37 | 1.37 | SA-XX-060BN-120 | 120 ± 0.3% | | | |
| | | | | SK-XX-060BN-350 | 350 ± 0.3% | | | |
| | | | | SD-DY-060BN-350 | 350 ± 0.8% | | | |
| MATRIX SIZE | 0.18L x 0.13W | 4.6L x 3.3W | | | | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.





General Purpose Strain Gages - Linear Patterns



| GAGE PATTERN Actual size shown. Enlarged when necessary for definition. | | | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|---|-----------------------|-------------------|----------------------|---|--|--|
| ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix <div> inch millimeter </div> | | | | | | |
| 060CC <div>   </div> <div> 1X 2X </div> | | | | Small high-resistance gage with high power-handling capability. See also 060CP pattern. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-060CC-350 | 350 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.060 | 0.200 | 0.180 | 0.180 | ED-DY-060CC-10C | 1000 ± 0.4% | |
| 1.52 | 5.08 | 4.57 | 4.57 | WA-XX-060CC-350 | 350 ± 0.3% | |
| | | | | WK-XX-060CC-10C | 1000 ± 0.3% | |
| | | | | EP-08-060CC-350 | 350 ± 0.15% | |
| | | | | SA-XX-060CC-350 | 350 ± 0.3% | |
| MATRIX SIZE | 0.33L x 0.27W | | 8.3L x 6.9W | SK-XX-060CC-10C | 1000 ± 0.3% | |
| | | | | SD-DY-060CC-10C | 1000 ± 0.8% | |
| | | | | WD-DY-060CC-10C | 1000 ± 0.8% | |
| 060CD <div>   </div> <div> 1X 2X </div> | | | | Small high-resistance gage. See also 060CN pattern. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-060CD-350 | 350 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.060 | 0.150 | 0.100 | 0.100 | ED-DY-060CD-10C | 1000 ± 0.4% | |
| 1.52 | 3.81 | 2.54 | 2.54 | WA-XX-060CD-350 | 350 ± 0.3% | |
| | | | | WK-XX-060CD-10C | 1000 ± 0.3% | |
| | | | | SA-XX-060CD-350 | 350 ± 0.3% | |
| | | | | SK-XX-060CD-10C | 1000 ± 0.3% | |
| MATRIX SIZE | 0.28L x 0.20W | | 7.1L x 5.1W | SD-DY-060CD-10C | 1000 ± 0.8% | |
| | | | | WD-DY-060CD-10C | 1000 ± 0.8% | |
| 060CN <div>   </div> <div> 1X 2X </div> | | | | Similar to 060CD pattern except for grid resistance. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-060CN-120 | 120 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.060 | 0.150 | 0.100 | 0.100 | ED-DY-060CN-350 | 350 ± 0.4% | |
| 1.52 | 3.81 | 2.54 | 2.54 | WA-XX-060CN-120 | 120 ± 0.3% | |
| | | | | WK-XX-060CN-350 | 350 ± 0.3% | |
| | | | | EP-08-060CN-120 | 120 ± 0.15% | |
| | | | | SA-XX-060CN-120 | 120 ± 0.3% | |
| MATRIX SIZE | 0.26L x 0.18W | | 6.6L x 4.6W | SD-DY-060CN-350 | 350 ± 0.8% | |
| | | | | WD-DY-060CN-350 | 350 ± 0.8% | |



*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small> | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|---|-----------------------|---|---|--------------------------|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | CP = Complete pattern | <div>inch millimeter</div> | | |

| | | | | | | |
|---|-----------------------|-------------------|----------------------|--|-------------|--|
| 060CP | | | | Similar to the 060CC pattern except for grid resistance. | | |
| <div> 1X</div> <div> 2X</div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-060CP-120 | 120 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.060 | 0.200 | 0.180 | 0.180 | ED-DY-060CP-350 | 350 ± 0.4% | |
| 1.52 | 5.08 | 4.57 | 4.57 | WA-XX-060CP-120 | 120 ± 0.3% | |
| | | | | WK-XX-060CP-350 | 350 ± 0.3% | |
| | | | | EP-08-060CP-120 | 120 ± 0.15% | |
| | | | | SA-XX-060CP-120 | 120 ± 0.3% | |
| | | | | SK-XX-060CP-350 | 350 ± 0.3% | |
| | | | | SD-DY-060CP-350 | 350 ± 0.8% | |
| | | | | WD-DY-060CP-350 | 350 ± 0.8% | |
| MATRIX SIZE | 0.31L x 0.26W | | 7.9L x 6.6W | | | |







| | | | | | | |
|--|---------------------------|------------------------|--------------------------|--|---|------------------------------------|
| <div>060EK</div> <div><div>1X</div><div>2X</div></div> | | | | <div>Small high-resistance gage with large grid area and side-tab geometry.</div> | | |
| <div>GAGE LENGTH</div> | <div>OVERALL LENGTH</div> | <div>GRID WIDTH</div> | <div>OVERALL WIDTH</div> | <div>EA-XX-060EK-350 ED-DY-060EK-10C SA-XX-060EK-350 SK-XX-060EK-10C SD-DY-060EK-10C</div> | <div>350 ± 0.15% 1000 ± 0.4% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.8%</div> | <div>E, L, LE E, L*, LE*</div> |
| <div>0.060</div> | <div>0.080</div> | <div>0.150</div> | <div>0.230</div> | | | |
| <div>1.52</div> | <div>2.03</div> | <div>3.81</div> | <div>5.84</div> | | | |
| <div>MATRIX SIZE</div> | <div>0.15L x 0.30W</div> | <div>3.8L x 7.6W</div> | | | | |

| | | | | | | |
|---|-----------------------|-------------------|----------------------|--|--|--|
| 060PB | | | | Dual pattern for back-to-back bending sections. Longitudinal grid centerlines spaced 0.085 in (2.16 mm) apart. | | |
| <div><div></div><div></div></div> <div>1X2X</div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-060PB-120 EA-XX-060PB-350 WA-XX-060PB-120 WA-XX-060PB-350 WK-XX-060PB-350 WK-XX-060PB-500 SA-XX-060PB-120 SA-XX-060PB-350 SK-XX-060PB-350 SK-XX-060PB-500 | 120 ± 0.2% 350 ± 0.2% 120 ± 0.3% 350 ± 0.3% 350 ± 0.3% 500 ± 0.3% 120 ± 0.3% 350 ± 0.3% 350 ± 0.3% 500 ± 0.3% | W, E, L, LE W, E, L, LE W* W* W* W* W* |
| 0.060 ES | 0.120 CP | 0.065 ES | 0.150 CP | | | |
| 1.52 ES | 3.05 CP | 1.65 ES | 3.81 CP | | | |
| MATRIX SIZE | 0.18L x 0.20W | | 4.6L x 5.1W | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.





General Purpose Strain Gages - Linear Patterns



| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|----------------|---|---------------|--|---|---|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>062AA</div> <div><div></div><div></div></div> <div>1X2X</div> | | | | General-purpose gage with large solder tabs. See the 062AP pattern for WA, WK, and other series with this grid size. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.062 | 0.150 | 0.062 | 0.100 | | | |
| 1.57 | 3.81 | 1.57 | 2.54 | | | |
| MATRIX SIZE | 0.35L x 0.21W | | 8.9L x 5.3W | EA-XX-062AA-120 | 120 ± 0.15% | E, P |
| <div>062AK</div> <div><div></div><div></div></div> <div>1X2X</div> | | | | General-purpose gage with elongated solder tabs. See the 062AP pattern for WA, WK, and other series with this grid size. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.062 | 0.160 | 0.062 | 0.062 | | | |
| 1.57 | 4.06 | 1.57 | 1.57 | | | |
| MATRIX SIZE | 0.27L x 0.14W | | 6.9L x 3.6W | EA-XX-062AK-120 ED-DY-062AK-350 EP-08-062AK-120 | 120 ± 0.15% 350 ± 0.4% 120 ± 0.15% | E, P E |
| <div>062AP</div> <div><div></div><div></div></div> <div>1X2X</div> | | | | Widely used general-purpose gage. See also 062AQ and 062UW patterns. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.062 | 0.114 | 0.062 | 0.062 | | | |
| 1.57 | 2.90 | 1.57 | 1.57 | | | |
| MATRIX SIZE | 0.26L x 0.16W | | 6.6L x 4.1W | EA-XX-062AP-120 ED-DY-062AP-350 EK-XX-062AP-350 WA-XX-062AP-120 WK-XX-062AP-350 EP-08-062AP-120 SA-XX-062AP-120 SK-XX-062AP-350 SD-DY-062AP-350 WD-DY-062AP-350 | 120 ± 0.15% 350 ± 0.4% 350 ± 0.15% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.8% 350 ± 0.8% | W, E, L, LE, P E, L*, LE* W, SE W* W* |



*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small> | | GAGE DESIGNATION <small>Insert desired S-T-C number in spaces marked XX.</small> | RES. IN OHMS <small>Tolerance is increased when Option W, E, SE, LE, or P is specified.</small> | OPTIONS AVAILABLE |
|--|-------------------------------------|---|--|-------------------|
| ES = Each section S = Section (S1 = Sec 1) | CP = Complete pattern M = Matrix | <div>inch millimeter</div> | | |







| 062AQ  1X  2X | | | | General-purpose gage. Similar to 062AP pattern but with high-resistance grid. See also 062UW pattern. | | |
|---|----------------|---------------|---------------|---|-------------|--|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-062AQ-350 | 350 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.062 | 0.114 | 0.062 | 0.062 | ED-DY-062AQ-500 | 500 ± 0.4% | |
| 1.57 | 2.90 | 1.57 | 1.57 | WA-XX-062AQ-350 | 350 ± 0.3% | |
| | | | | WK-XX-062AQ-500 | 500 ± 0.3% | |
| | | | | EP-08-062AQ-350 | 350 ± 0.15% | |
| | | | | SA-XX-062AQ-350 | 350 ± 0.3% | |
| | | | | SK-XX-062AQ-500 | 500 ± 0.3% | |
| | | | | SD-DY-062AQ-500 | 500 ± 0.8% | |
| | | | | WD-DY-062AQ-500 | 500 ± 0.8% | |
| MATRIX SIZE | | 0.26L x 0.15W | | 6.6L x 3.8W | | |

| | | | | | | |
|--|----------------|------------|---------------|--|--------------------------|----|
| <div>062AU</div> <div><div>1X</div><div>2X</div></div> | | | | Similar to 062AP pattern but with low-resistance grid. Normally used when 120-ohm resistance is needed in WK or SK Series. | | |
| | | | | WK-XX-062AU-120 SK-XX-062AU-120 | 120 ± 0.3% 120 ± 0.3% | W* |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.062 | 0.114 | 0.062 | 0.062 | | | |
| 1.57 | 2.90 | 1.57 | 1.57 | | | |
| MATRIX SIZE | 0.26L x 0.16W | | 6.6L x 4.1W | | | |

| 062DF  1X  2X | | | | General-purpose gage with solder tab at each end of grid. See also 062DN pattern. | | |
|---|----------------|---------------|---------------|---|-------------|------------------------|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-062DF-120 | 120 ± 0.15% | E, L, LE E, L*, LE* |
| 0.062 | 0.190 | 0.062 | 0.062 | ED-DY-062DF-350 | 350 ± 0.4% | |
| 1.57 | 4.83 | 1.57 | 1.57 | WA-XX-062DF-120 | 120 ± 0.3% | |
| | | | | WK-XX-062DF-350 | 350 ± 0.3% | |
| | | | | EP-08-062DF-120 | 120 ± 0.15% | |
| | | | | SA-XX-062DF-120 | 120 ± 0.3% | |
| | | | | SK-XX-062DF-350 | 350 ± 0.3% | |
| | | | | SD-DY-062DF-350 | 350 ± 0.8% | |
| | | | | WD-DY-062DF-350 | 350 ± 0.8% | |
| MATRIX SIZE | | 0.32L x 0.16W | | 8.1L x 4.1W | | |







*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns




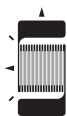


| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|----------------|---|---------------|---|--|------------------------|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>062DN</div> <div><div></div><div>1X</div><div></div><div>2X</div></div> | | | | Similar to 062DF pattern except for grid resistance. | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-062DN-350 | 350 ± 0.15% | E, L, LE E, L*, LE* |
| 0.062 | 0.190 | 0.062 | 0.062 | ED-DY-062DN-500 | 500 ± 0.4% | |
| 1.57 | 4.83 | 1.57 | 1.57 | WA-XX-062DN-350 | 350 ± 0.3% | |
| MATRIX SIZE | | | | WK-XX-062DN-500 | 500 ± 0.3% | |
| | | | | EP-08-062DN-350 | 350 ± 0.15% | |
| | | | | SA-XX-062DN-350 | 350 ± 0.3% | |
| | | | | SK-XX-062DN-500 | 500 ± 0.3% | |
| | | | | SD-DY-062DN-500 | 500 ± 0.8% | |
| | | | | WD-DY-062DN-500 | 500 ± 0.8% | |
| | | | | | | |
| <div>062ED</div> <div><div></div><div>1X</div><div></div><div>2X</div></div> | | | | General-purpose gage. Similar to 062DF pattern but with solder tab at each side of grid. See also 062EN pattern | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-062ED-120 | 120 ± 0.15% | E, L, LE E, L*, LE* |
| 0.062 | 0.076 | 0.062 | 0.190 | ED-DY-062ED-350 | 350 ± 0.4% | |
| 1.57 | 1.93 | 1.57 | 4.83 | WA-XX-062ED-120 | 120 ± 0.3% | |
| MATRIX SIZE | | | | WK-XX-062ED-350 | 350 ± 0.3% | |
| | | | | EP-08-062ED-120 | 120 ± 0.15% | |
| | | | | SA-XX-062ED-120 | 120 ± 0.3% | |
| | | | | SK-XX-062ED-350 | 350 ± 0.3% | |
| | | | | SD-DY-062ED-350 | 350 ± 0.8% | |
| | | | | WD-DY-062ED-350 | 350 ± 0.8% | |
| | | | | | | |
| <div>062EN</div> <div><div></div><div>1X</div><div></div><div>2X</div></div> | | | | Similar to 062ED pattern except for grid resistance. | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-062EN-350 | 350 ± 0.15% | E, L, LE E, L*, LE* |
| 0.062 | 0.076 | 0.062 | 0.190 | ED-DY-062EN-500 | 500 ± 0.4% | |
| 1.57 | 1.93 | 1.57 | 4.83 | WA-XX-062EN-350 | 350 ± 0.3% | |
| MATRIX SIZE | | | | WK-XX-062EN-500 | 500 ± 0.3% | |
| | | | | EP-08-062EN-350 | 350 ± 0.15% | |
| | | | | SA-XX-062EN-350 | 350 ± 0.3% | |
| | | | | SK-XX-062EN-500 | 500 ± 0.3% | |
| | | | | SD-DY-062EN-500 | 500 ± 0.8% | |
| | | | | WD-DY-062EN-500 | 500 ± 0.8% | |
| | | | | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE | | |
|--|----------------|---|---------------|---|---|--------------------------------------|----------------------------|-----------|
| ES = Each section S = Section (S1= Sec 1) | | CP = Complete pattern M = Matrix | | inch millimeter | Tolerance is increased when Option W, E, SE, LE, or P is specified. | | | |
| <div>062UW</div> <div><div> 1X</div><div> 2X</div></div> | | | | General-purpose gage. Exposed solder tab area is 0.07 x 0.04 in (1.8 x 1.0 mm). | | | | |
| | | | | <div>CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables)</div> | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | |
| 0.062 | 0.220 | 0.120 | 0.120 | | | | | |
| 1.57 | 5.59 | 3.05 | 3.05 | | | | | |
| MATRIX SIZE | | 0.31L x 0.19W | | 7.9L x 4.8W | | CEA-XX-062UW-120 CEA-XX-062UW-350 | 120 ± 0.3% 350 ± 0.3% | |
| <div>070LC</div> <div><div> 1X</div><div> 2X</div></div> | | | | Very narrow gage for use in restricted areas. | | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | |
| 0.070 | 0.164 | 0.022 | 0.022 | | | | | |
| 1.78 | 4.17 | 0.56 | 0.56 | | | | | |
| MATRIX SIZE | | 0.24L x 0.09W | | 6.1L x 2.3W | | EA-XX-070LC-120 EA-XX-070LC-350 | 120 ± 0.15% 350 ± 0.15% | SE SE |
| <div>075AA</div> <div><div> 1X</div><div> 2X</div></div> | | | | General-purpose gage with large solder tabs. See also 075AM pattern. | | | | |
| | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | |
| 0.075 | 0.180 | 0.075 | 0.120 | | | | | |
| 1.91 | 4.57 | 1.91 | 3.05 | | | | | |
| MATRIX SIZE | | 0.31L x 0.18W | | 7.9L x 4.6W | | EA-XX-075AA-120 ED-DY-075AA-350 | 120 ± 0.15% 350 ± 0.3% | E, P E |



General Purpose Strain Gages - Linear Patterns



| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE | | | | | | | | | | | | | | | | |
|---|--|---|--|--|--|-------------------|---------------|-------|-------|-------|-------|------|------|------|------|-------------|---------------|--|--------------|--|--|--|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | | | | | | | | | | | | | | | | | |
| <div>075AM</div> <div><div></div><div>1X</div><div></div><div>2X</div></div> <table><thead><tr><th>GAGE LENGTH</th><th>OVERALL LENGTH</th><th>GRID WIDTH</th><th>OVERALL WIDTH</th></tr></thead><tbody><tr><td>0.075</td><td>0.180</td><td>0.075</td><td>0.120</td></tr><tr><td>1.91</td><td>4.57</td><td>1.91</td><td>3.05</td></tr><tr><td>MATRIX SIZE</td><td colspan="2">0.31L x 0.18W</td><td>7.9L x 4.6W</td></tr></tbody></table> | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | 0.075 | 0.180 | 0.075 | 0.120 | 1.91 | 4.57 | 1.91 | 3.05 | MATRIX SIZE | 0.31L x 0.18W | | 7.9L x 4.6W | General-purpose gage with large solder tabs. Similar to 075AA pattern except for resistance. | | |
| | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | | | | | | | | | | |
| | | | | 0.075 | 0.180 | 0.075 | 0.120 | | | | | | | | | | | | | | | |
| | | | | 1.91 | 4.57 | 1.91 | 3.05 | | | | | | | | | | | | | | | |
| | | | | MATRIX SIZE | 0.31L x 0.18W | | 7.9L x 4.6W | | | | | | | | | | | | | | | |
| <div>EA-XX-075AM-350</div> <div>ED-DY-075AM-10C</div> | | | <div>350 ± 0.15%</div> <div>1000 ± 0.4%</div> | | <div>E, P</div> <div>E</div> | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| <div>090DG</div> <div><div></div><div>1X</div><div></div><div>2X</div></div> <table><thead><tr><th>GAGE LENGTH</th><th>OVERALL LENGTH</th><th>GRID WIDTH</th><th>OVERALL WIDTH</th></tr></thead><tbody><tr><td>0.090</td><td>0.250</td><td>0.125</td><td>0.125</td></tr><tr><td>2.29</td><td>6.35</td><td>3.18</td><td>3.18</td></tr><tr><td>MATRIX SIZE</td><td colspan="2">0.44L x 0.26W</td><td>11.2L x 6.6W</td></tr></tbody></table> | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | 0.090 | 0.250 | 0.125 | 0.125 | 2.29 | 6.35 | 3.18 | 3.18 | MATRIX SIZE | 0.44L x 0.26W | | 11.2L x 6.6W | Intermediate-size grid with tab at each end. See also 090DH and 090EF patterns. | | |
| | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | | | | | | | | | | |
| | | | | 0.090 | 0.250 | 0.125 | 0.125 | | | | | | | | | | | | | | | |
| | | | | 2.29 | 6.35 | 3.18 | 3.18 | | | | | | | | | | | | | | | |
| | | | | MATRIX SIZE | 0.44L x 0.26W | | 11.2L x 6.6W | | | | | | | | | | | | | | | |
| <div>EA-XX-090DG-120</div> <div>ED-DY-090DG-350</div> <div>EP-08-090DG-120</div> <div>SA-XX-090DG-120</div> <div>SK-XX-090DG-350</div> <div>SD-DY-090DG-350</div> | | | <div>120 ± 0.15%</div> <div>350 ± 0.4%</div> <div>120 ± 0.15%</div> <div>120 ± 0.3%</div> <div>350 ± 0.3%</div> <div>350 ± 0.8%</div> | | <div>E, L, LE</div> <div>E, L*, LE*</div> | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| <div>090DH</div> <div><div></div><div>1X</div><div></div><div>2X</div></div> <table><thead><tr><th>GAGE LENGTH</th><th>OVERALL LENGTH</th><th>GRID WIDTH</th><th>OVERALL WIDTH</th></tr></thead><tbody><tr><td>0.090</td><td>0.250</td><td>0.125</td><td>0.125</td></tr><tr><td>2.29</td><td>6.35</td><td>3.18</td><td>3.18</td></tr><tr><td>MATRIX SIZE</td><td colspan="2">0.45L x 0.27W</td><td>11.4L x 6.9W</td></tr></tbody></table> | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | 0.090 | 0.250 | 0.125 | 0.125 | 2.29 | 6.35 | 3.18 | 3.18 | MATRIX SIZE | 0.45L x 0.27W | | 11.4L x 6.9W | High-resistance version of the 090DG pattern. | | |
| | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | | | | | | | | | | |
| | | | | 0.090 | 0.250 | 0.125 | 0.125 | | | | | | | | | | | | | | | |
| | | | | 2.29 | 6.35 | 3.18 | 3.18 | | | | | | | | | | | | | | | |
| | | | | MATRIX SIZE | 0.45L x 0.27W | | 11.4L x 6.9W | | | | | | | | | | | | | | | |
| <div>EA-XX-090DH-350</div> <div>ED-DY-090DH-10C</div> <div>EP-08-090DH-350</div> <div>SA-XX-090DH-350</div> <div>SK-XX-090DH-10C</div> <div>SD-DY-090DH-10C</div> | | | <div>350 ± 0.15%</div> <div>1000 ± 0.4%</div> <div>350 ± 0.15%</div> <div>350 ± 0.3%</div> <div>1000 ± 0.3%</div> <div>1000 ± 0.8%</div> | | <div>E, L, LE</div> <div>E, L*, LE*</div> | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |



*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small> | | GAGE DESIGNATION <small>Insert desired S-T-C number in spaces marked XX.</small> | RES. IN OHMS <small>Tolerance is increased when Option W, E, SE, LE, or P is specified.</small> | OPTIONS AVAILABLE |
|--|-------------------------------------|---|--|-------------------|
| ES = Each section S = Section (S1= Sec 1) | CP = Complete pattern M = Matrix | <div>inch millimeter</div> | | |

| 090EF | | | | Similar to 090DG pattern but with solder tab at each side of grid. See also 090EG pattern. | | | | |
|---|----------------|---------------|---------------|--|--|--|---|------------------------|
| <div> 1X</div> <div> 2X</div> | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-090EF-120 ED-DY-090EF-350 EP-08-090EF-120 SA-XX-090EF-120 SK-XX-090EF-350 SD-DY-090EF-350 | | | | |
| 0.090 | 0.125 | 0.125 | 0.250 | | | | 120 ± 0.15% 350 ± 0.4% | E, L, LE E, L*, LE* |
| 2.29 | 3.18 | 3.18 | 6.35 | | | | 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% | |
| MATRIX SIZE | | 0.29L x 0.36W | 7.4L x 9.1W | | | | 350 ± 0.8% | |






| | | | | | | |
|---|-----------------------|-------------------|----------------------|--|---|------------------------|
| 090EG | | | | High-resistance version of the 090EF pattern. | | |
| <div> 1X</div> <div> 2X</div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.090 | 0.120 | 0.125 | 0.250 | | | |
| 2.29 | 3.05 | 3.18 | 6.35 | | | |
| MATRIX SIZE | 0.29L x 0.36W | | 7.4L x 9.1W | | | |
| | | | | EA-XX-090EG-350 ED-DY-090EG-10C EP-08-090EG-350 SA-XX-090EG-350 SK-XX-090EG-10C SD-DY-090EG-10C | 350 ± 0.15% 1000 ± 0.4% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.8% | E, L, LE E, L*, LE* |

| <div>090SC</div> <div><div></div><div></div><div>1X</div><div>2X</div></div> <table><thead><tr><th>GAGE LENGTH</th><th>OVERALL LENGTH</th><th>GRID WIDTH</th><th>OVERALL WIDTH</th></tr></thead><tbody><tr><td>0.090</td><td>0.120</td><td>0.010</td><td>0.060</td></tr><tr><td>2.29</td><td>3.05</td><td>0.25</td><td>1.52</td></tr><tr><td>MATRIX SIZE</td><td colspan="2">0.18L x 0.14W</td><td>4.6L x 3.6W</td></tr></tbody></table> | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | 0.090 | 0.120 | 0.010 | 0.060 | 2.29 | 3.05 | 0.25 | 1.52 | MATRIX SIZE | 0.18L x 0.14W | | 4.6L x 3.6W | <div>Side-tab gage with extremely narrow grid for use near abutments.</div> | | |
|--|----------------|------------|---------------|--|---|---|---------------|-------|-------|-------|-------|------|------|------|------|-------------|---------------|--|-------------|---|--|--|
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | | | | | | | | | | | | | | |
| 0.090 | 0.120 | 0.010 | 0.060 | | | | | | | | | | | | | | | | | | | |
| 2.29 | 3.05 | 0.25 | 1.52 | | | | | | | | | | | | | | | | | | | |
| MATRIX SIZE | 0.18L x 0.14W | | 4.6L x 3.6W | | | | | | | | | | | | | | | | | | | |
| | | | | <div>EA-XX-090SC-120</div> <div>WA-XX-090SC-120</div> <div>SA-XX-090SC-120</div> | <div>120 ± 0.2%</div> <div>120 ± 0.4%</div> <div>120 ± 0.4%</div> | <div>W, E, L, LE, P</div> <div>W*</div> | | | | | | | | | | | | | | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.




General Purpose Strain Gages - Linear Patterns


| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|----------------|---|---------------|--|---|--|
| ES = Each section S = Section (S1= Sec 1) | | CP = Complete pattern M = Matrix | | inch millimeter | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| 100BR | | | | Narrow grid pattern with large solder tabs. | | |
| <div><div></div><div>1X</div></div> <div><div></div><div>2X</div></div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-100BR-120 | 120 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.100 | 0.225 | 0.050 | 0.100 | ED-DY-100BR-350 | 350 ± 0.4% | |
| | | | | WA-XX-100BR-120 | 120 ± 0.3% | |
| | | | | WK-XX-100BR-350 | 350 ± 0.3% | |
| 2.54 | 5.72 | 1.27 | 2.54 | SA-XX-100BR-120 | 120 ± 0.3% | |
| | | | | SK-XX-100BR-350 | 350 ± 0.3% | |
| | | | | SD-DY-100BR-350 | 350 ± 0.8% | |
| MATRIX SIZE | 0.34L x 0.16W | | 8.6L x 4.1W | WD-DY-100BR-350 | 350 ± 0.8% | |
| 100GD | | | | Ultra-high-resistance gage with compact geometry. | | |
| <div><div></div><div>1X</div></div> <div><div></div><div>2X</div></div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | SK-XX-100GD-45C WK-XX-100GD-45C | 4500 ± 0.2% 4500 ± 0.2% | |
| 0.100 | 0.181 | 0.080 | 0.080 | | | |
| 2.54 | 4.60 | 2.03 | 2.03 | | | |
| | | | | | | |
| MATRIX SIZE | 0.24L x 0.13W | | 6.1L x 3.3W | | | |
| 125AA | | | | General-purpose gage with large solder tabs. See also 125AD, 125UN and 125UW patterns. | | |
| <div><div></div></div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125AA-120 ED-DY-125AA-350 | 120 ± 0.15% 350 ± 0.3% | E, P E |
| 0.125 | 0.300 | 0.125 | 0.200 | | | |
| 3.18 | 7.62 | 3.18 | 5.08 | | | |
| MATRIX SIZE | 0.46L x 0.26W | | 11.7L x 6.6W | | | |


*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|--|---|--|--------------------|---|-------------------|
| ES = Each section S = Section (S1= Sec 1) | | CP = Complete pattern M = Matrix | | inch millimeter | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |

| | | | | | | |
|---|----------------|------------|---------------|--|--|---|
| 125AC | | | | Widely used general-purpose gage with high-resistance grid. See also 125AD, 125UN, and 125UW patterns. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. | | |
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125AC-350 ED-DY-125AC-10C EK-XX-125AC-10C S2K-XX-125AC-10C WA-XX-125AC-350 WK-XX-125AC-10C EP-08-125AC-350 SA-XX-125AC-350 SK-XX-125AC-10C SD-DY-125AC-10C WD-DY-125AC-10C | 350 ± 0.15% 1000 ± 0.3% 1000 ± 0.15% 1000 ± 0.3% 350 ± 0.3% 1000 ± 0.3% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.6% 1000 ± 0.6% | W, E, L, LE, P E, L*, LE* W, SE W* W* |
| 0.125 | 0.250 | 0.125 | 0.125 | | | |
| 3.18 | 6.35 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.40L x 0.22W | | 10.2L x 5.6W | | | |


| | | | | | | |
|---|----------------|------------|---------------|--|---|---|
| 125AD | | | | Widely used general-purpose gage. See also 125AC pattern. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. | | |
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125AD-120 ED-DY-125AD-350 EK-XX-125AD-350 WA-XX-125AD-120 WK-XX-125AD-350 EP-08-125AD-120 SA-XX-125AD-120 SK-XX-125AD-350 SD-DY-125AD-350 WD-DY-125AD-350 | 120 ± 0.15% 350 ± 0.3% 350 ± 0.15% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W, E, L, LE, P E, L*, LE* W, SE W* W* |
| 0.125 | 0.250 | 0.125 | 0.125 | | | |
| 3.18 | 6.35 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.40L x 0.22W | | 10.2L x 5.6W | | | |


| | | | | | | |
|---|----------------|------------|---------------|--|----------------------------|-----------|
| 125AM | | | | General-purpose gage with large solder tabs and high-resistance grid. See the 125AC design for WA, SK, and other series with this grid size. See also 125UW pattern. | | |
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125AM-350 ED-DY-125AM-10C | 350 ± 0.15% 1000 ± 0.3% | E, P E |
| 0.125 | 0.300 | 0.125 | 0.200 | | | |
| 3.18 | 7.62 | 3.18 | 5.08 | | | |
| MATRIX SIZE | 0.50L x 0.28W | | 12.7L x 7.1W | | | |



*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small> | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|--|-----------------------|--|---|-------------------|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | CP = Complete pattern | <div>inch</div> <div>millimeter</div> | | |

| 125AS | | | | High-resistance gage. | | |
|---|----------------|---------------|---------------|--|--|---------------------------------|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125AS-500 ED-DY-125AS-15C WA-XX-125AS-500 WK-XX-125AS-15C SA-XX-125AS-500 SK-XX-125AS-15C SD-DY-125AS-15C WD-DY-125AS-15C | 500 ± 0.15% 1500 ± 0.4% 500 ± 0.3% 1500 ± 0.3% 500 ± 0.3% 1500 ± 0.3% 1500 ± 0.8% 1500 ± 0.8% | W, E, L, LE, P E W* W* |
| 0.125 | 0.250 | 0.125 | 0.125 | | | |
| 3.18 | 6.35 | 3.18 | 3.18 | | | |
| MATRIX SIZE | | 0.37L x 0.21W | 9.4L x 5.3W | | | |

| 125BB | | | | Narrow general-purpose gage with extended tabs. | | |
|---|----------------|---------------|---------------|---|--|-----------|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125BB-120 ED-DY-125BB-350 WA-XX-125BB-120 WK-XX-125BB-350 EP-08-125BB-120 SA-XX-125BB-120 SK-XX-125BB-350 SD-DY-125BB-350 WD-DY-125BB-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | E, P E |
| 0.125 | 0.245 | 0.088 | 0.088 | | | |
| 3.18 | 6.22 | 2.24 | 2.24 | | | |
| MATRIX SIZE | | 0.43L x 0.22W | 10.9L x 5.6W | | | |

| 125BS | | | | Narrow pattern primarily used in the WK and SK Series for 120-ohm resistance. | | |
|---|----------------|---------------|---------------|---|--|------------------|
|   <div>1X</div> <div>2X</div> | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | ED-DY-125BS-120 WK-XX-125BS-120 SK-XX-125BS-120 SD-DY-125BS-120 WD-DY-125BS-120 | 120 ± 0.3% 120 ± 0.3% 120 ± 0.3% 120 ± 0.6% 120 ± 0.6% | E, L*, LE* W* |
| 0.125 | 0.250 | 0.050 | 0.060 | | | |
| 3.18 | 6.35 | 1.27 | 1.52 | | | |
| MATRIX SIZE | | 0.38L x 0.14W | 9.7L x 3.6W | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns


| GAGE PATTERN Actual size shown. Enlarged when necessary for definition. | | | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|--|-----------------------|-------------------|----------------------|---|--|--|
| ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix <div> inch millimeter </div> | | | | | | |
| 125BT <div> </div> <div> 1X 2X </div> | | | | General-purpose gage with narrow grid and compact geometry. See also 125BZ pattern. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125BT-120 | 120 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.125 | 0.215 | 0.062 | 0.062 | ED-DY-125BT-350 | 350 ± 0.3% | |
| 3.18 | 5.46 | 1.57 | 1.57 | WA-XX-125BT-120 | 120 ± 0.3% | |
| | | | | WK-XX-125BT-350 | 350 ± 0.3% | |
| | | | | EP-08-125BT-120 | 120 ± 0.15% | |
| | | | | SA-XX-125BT-120 | 120 ± 0.3% | |
| MATRIX SIZE | 0.37L x 0.16W | | 9.4L x 4.1W | SK-XX-125BT-350 | 350 ± 0.3% | |
| | | | | SD-DY-125BT-350 | 350 ± 0.6% | |
| | | | | WD-DY-125BT-350 | 350 ± 0.6% | |
| 125BZ <div> </div> <div> 1X 2X </div> | | | | Narrow high-resistance gage with compact geometry. Similar to 125BT pattern except for grid resistance. EK-Series gages are supplied with duplex copper dots (DD) when optional feature W or SE is not specified. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125BZ-350 | 350 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.125 | 0.220 | 0.062 | 0.062 | ED-DY-125BZ-10C | 1000 ± 0.4% | |
| 3.18 | 5.59 | 1.57 | 1.57 | EK-XX-125BZ-10C | 1000 ± 0.15% | |
| | | | | WA-XX-125BZ-350 | 350 ± 0.3% | |
| | | | | WK-XX-125BZ-10C | 1000 ± 0.3% | |
| | | | | SA-XX-125BZ-350 | 350 ± 0.3% | |
| MATRIX SIZE | 0.29L x 0.13W | | 7.4L x 3.3W | SK-XX-125BZ-10C | 1000 ± 0.3% | |
| | | | | SD-DY-125BZ-10C | 1000 ± 0.8% | |
| | | | | WD-DY-125BZ-10C | 1000 ± 0.8% | |
| 125CA <div> </div> | | | | High-dissipation gage with large solder tabs. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125CA-120 | 120 ± 0.15% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.125 | 0.315 | 0.180 | 0.180 | ED-DY-125CA-350 | 350 ± 0.3% | |
| 3.18 | 8.00 | 4.57 | 4.57 | WA-XX-125CA-120 | 120 ± 0.3% | |
| | | | | WK-XX-125CA-350 | 350 ± 0.3% | |
| | | | | EP-08-125CA-120 | 120 ± 0.15% | |
| | | | | WD-DY-125CA-350 | 350 ± 0.6% | |
| MATRIX SIZE | 0.43L x 0.26W | | 10.9L x 6.6W | | | |


*Options available but not normally recommended. See Optional Features datasheet for details.




General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|--|--|--|--|--|-------------------|
| Actual size shown. Enlarged when necessary for definition. | | | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix | | | | inch millimeter | | |





| | | | | | | |
|---|----------------|------------|---------------|---|--|--------------------------------|
| <div>125CH</div> <div></div> | | | | High-dissipation, low-resistance gage used in eight-gage bridge circuits. | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125CH-060 WA-XX-125CH-060 WK-XX-125CH-175 SA-XX-125CH-060 SK-XX-125CH-175 | 60 ± 0.15% 60 ± 0.3% 175 ± 0.3% 60 ± 0.3% 175 ± 0.3% | W, E, SE, L, LE, P W* W* |
| 0.125 | 0.290 | 0.175 | 0.175 | | | |
| 3.18 | 7.37 | 4.45 | 4.45 | | | |
| MATRIX SIZE | 0.40L x 0.28W | | 10.2L x 7.1W | | | |

| | | | | | | |
|---|----------------|------------|---------------|--|---|---------------|
| <div>125DP</div> <div></div> | | | | High-resistance gage with tab at each end of grid. See also 125DQ and 125UE patterns. | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125DP-350 ED-DY-125DP-10C EP-08-125DP-350 SA-XX-125DP-350 SK-XX-125DP-10C SD-DY-125DP-10C | 350 ± 0.15% 1000 ± 0.3% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.6% | E, L, LE E |
| 0.125 | 0.270 | 0.125 | 0.125 | | | |
| 3.18 | 6.86 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.34L x 0.19W | | 8.6L x 4.8W | | | |

| | | | | | | |
|---|----------------|------------|---------------|--|--|---------------|
| <div>125DQ</div> <div></div> | | | | Similar to 125DP pattern except for grid resistance. See also 125UE pattern. | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125DQ-120 ED-DY-125DQ-350 EP-08-125DQ-120 SA-XX-125DQ-120 SK-XX-125DQ-350 SD-DY-125DQ-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% | E, L, LE E |
| 0.125 | 0.270 | 0.125 | 0.125 | | | |
| 3.18 | 6.86 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.34L x 0.19W | | 8.6L x 4.8W | | | |


*Options available but not normally recommended. See Optional Features datasheet for details.


General Purpose Strain Gages - Linear Patterns



| GAGE PATTERN | | | | Actual size shown. Enlarged when necessary for definition. | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE | | | | |
|--|---------------|-------------|------|---|---|--|--|-------------|----------------|------------|---------------|
| ES = Each section S = Section (S1= Sec 1) | | | | CP = Complete pattern M = Matrix | inch millimeter | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | | | | |
| <div>125EP</div> <div></div> | | | | | High-resistance gage with tab at each side of grid. See also 125EQ pattern. | | | | | | |
| | | | | | | | E, L, LE E | | | | |
| | | | | | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH |
| | | | | | | | | 0.125 | 0.150 | 0.125 | 0.250 |
| 3.18 | 3.81 | 3.18 | 6.35 | EA-XX-125EP-350 | 350 ± 0.15% | | | | | | |
| | | | | ED-DY-125EP-10C | 1000 ± 0.3% | | | | | | |
| | | | | EP-08-125EP-350 | 350 ± 0.15% | | | | | | |
| | | | | SA-XX-125EP-350 | 350 ± 0.3% | | | | | | |
| | | | | SK-XX-125EP-10C | 1000 ± 0.3% | | | | | | |
| | | | | SD-DY-125EP-10C | 1000 ± 0.6% | | | | | | |
| MATRIX SIZE | 0.28L x 0.35W | 7.1L x 8.9W | | | | | | | | | |
| <div>125EQ</div> <div></div> | | | | | Similar to 125EP pattern except for grid resistance. | | | | | | |
| | | | | | | | E, L, LE E | | | | |
| | | | | | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH |
| | | | | | | | | 0.125 | 0.150 | 0.125 | 0.250 |
| 3.18 | 3.81 | 3.18 | 6.35 | EA-XX-125EQ-120 | 120 ± 0.15% | | | | | | |
| | | | | ED-DY-125EQ-350 | 350 ± 0.3% | | | | | | |
| | | | | EP-08-125EQ-120 | 120 ± 0.15% | | | | | | |
| | | | | SA-XX-125EQ-120 | 120 ± 0.3% | | | | | | |
| | | | | SK-XX-125EQ-350 | 350 ± 0.3% | | | | | | |
| | | | | SD-DY-125EQ-350 | 350 ± 0.6% | | | | | | |
| MATRIX SIZE | 0.28L x 0.35W | 7.1L x 8.9W | | | | | | | | | |
| <div>125GF</div> <div><div> 1X</div><div> 2X</div></div> | | | | | Very high resistance in compact grid geometry. | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH |
| | | | | | | | | 0.125 | 0.210 | 0.100 | 0.100 |
| 3.18 | 5.33 | 2.54 | 2.54 | SK-XX-125GF-20C | 2000 ± 0.3% | | | | | | |
| | | | | WK-XX-125GF-20C | 2000 ± 0.3% | | | | | | |
| MATRIX SIZE | 0.28L x 0.17W | 7.1L x 4.3W | | | | | | | | | |

General Purpose Strain Gages - Linear Patterns

| | | | |
|---|---|--|--------------------------|
| GAGE PATTERN Actual size shown. Enlarged when necessary for definition. | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
| | | | |
| ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix | <div style="border: 1px solid black; padding: 5px; display: inline-block;"> inch millimeter </div> | | |

| <h1>125HN</h1>  | | | | Narrow general-purpose gage with tab at each end of grid. See also 125UE pattern. | | |
|--|----------------|--------------|---------------|---|---|----------|
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-125HN-120 ED-DY-125HN-350 EP-08-125HN-120 SA-XX-125HN-120 SK-XX-125HN-350 | $120 \pm 0.15\%$ $350 \pm 0.3\%$ $120 \pm 0.15\%$ $120 \pm 0.3\%$ $350 \pm 0.3\%$ | E, L, LE |
| 0.125 | 0.275 | 0.062 | 0.062 | | | |
| 3.18 | 6.99 | 1.57 | 1.57 | | | |
| MATRIX SIZE | 0.41L x 0.16W | 10.4L x 4.1W | | | | |

| 125MG | | | | Dual-pattern gage for use in back-to-back bending applications. Longitudinal grid centerlines spaced 0.250 in (6.35 mm) apart. See also 125PC pattern. | | |
|---|----------------|------------|---------------|--|--|-------------------------|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.125 ES | 0.220 CP | 0.125 ES | 0.375 CP | | | |
| 3.18 ES | 5.59 CP | 3.18 ES | 9.53 CP | | | |
| MATRIX SIZE | 0.32L x 0.47W | | 8.1L x 11.9W | EA-XX-125MG-120 WA-XX-125MG-120 WK-XX-125MG-350 SA-XX-125MG-120 SK-XX-125MG-350 | 120 ± 0.2% 120 ± 0.4% 350 ± 0.4% 120 ± 0.4% 350 ± 0.4% | W, E, L, LE W* W* |


| | | | | | | |
|--|----------------|-------------|---------------|---|------------|------|
| <div><div><div>125MK</div><div><div>1X</div></div><div><div>2X</div></div></div></div> | | | | <div>Compact pattern for applications similar to those described for 125MG. Very narrow grid geometry. Longitudinal grid centerlines spaced 0.040 in (1.02 mm) apart.</div> | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.125 ES | 0.235 CP | 0.030 ES | 0.130 CP | EA-XX-125MK-120 | 120 ± 0.2% | W, E |
| 3.18 ES | 5.97 CP | 0.76 ES | 3.30 CP | WA-XX-125MK-120 | 120 ± 0.4% | W* |
| | | | | WK-XX-125MK-350 | 350 ± 0.4% | W* |
| | | | | SA-XX-125MK-120 | 120 ± 0.4% | |
| MATRIX SIZE | 0.37L x 0.21W | 9.4L x 5.3W | | SK-XX-125MK-350 | 350 ± 0.4% | |


*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small> | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|---|-----------------------|---|--|--------------------------|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | CP = Complete pattern | <div>inch millimeter</div> | | |




| | | | | | | |
|--------------------|-----------------------|-------------------|----------------------|--|-------------|-------------|
| 125PC | | | | Dual-pattern gage for use in back-to-back bending applications. Longitudinal grid centerlines spaced 0.085 in (2.16 mm) apart. See also 125MG pattern. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. | | |
| | | | | EA-XX-125PC-120 | 120 ± 0.2% | W, E, L, LE |
| | | | | EA-XX-125PC-350 | 350 ± 0.2% | W, E, L, LE |
| | | | | ED-DY-125PC-350 | 350 ± 0.4% | E |
| | | | | ED-DY-125PC-10C | 1000 ± 0.4% | E |
| | | | | EK-XX-125PC-10C | 1000 ± 0.2% | W, SE |
| | | | | WA-XX-125PC-120 | 120 ± 0.4% | W* |
| | | | | WA-XX-125PC-350 | 350 ± 0.4% | W* |
| | | | | WK-XX-125PC-350 | 350 ± 0.4% | W* |
| | | | | WK-XX-125PC-10C | 1000 ± 0.4% | W* |
| | | | | SA-XX-125PC-120 | 120 ± 0.4% | |
| | | | | SA-XX-125PC-350 | 350 ± 0.4% | |
| | | | | SK-XX-125PC-350 | 350 ± 0.4% | |
| | | | | SK-XX-125PC-10C | 1000 ± 0.4% | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.125 ES | 0.205 CP | 0.065 ES | 0.150 CP | | | |
| 3.18 ES | 5.21 CP | 1.65 ES | 3.81 CP | | | |
| MATRIX SIZE | 0.29L x 0.23W | | 7.4L x 5.8W | | | |

| | | | | | |
|---|-----------------------|-------------------|----------------------|---|--|
| 125UE | | | | 'C' FEATURE | |
|  | | | | General-purpose gage with large tab at each end of grid. Exposed solder tab area 0.08 x 0.07 in (2.0 x 1.8 mm). | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. |
| 0.125 | 0.470 | 0.125 | 0.125 | | |
| 3.18 | 11.94 | 3.18 | 3.18 | | |
| MATRIX SIZE | 0.57L x 0.20W | | 14.5L x 5.1W | | |
| | | | | CEA-XX-125UE-120 | 120 ± 0.3% |
| | | | | CEA-XX-125UE-350 | 350 ± 0.3% |

| | | | | | |
|---|-----------------------|-------------------|----------------------|---|--|
| 125UN | | | | 'C' FEATURE | |
|  | | | | General-purpose gage with narrow geometry. Exposed solder tab area 0.06 x 0.05 in (1.5 x 1.1 mm). See also 125UW pattern. | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables) |
| 0.125 | 0.275 | 0.100 | 0.120 | | |
| 3.18 | 6.99 | 2.54 | 3.05 | | |
| MATRIX SIZE | 0.38L x 0.19W | | 9.7L x 4.8W | | |
| | | | | | |
| | | | | CEA-XX-125UN-120 | 120 ± 0.3% |
| | | | | CEA-XX-125UN-350 | 350 ± 0.3% |






*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE | | | | | | | | | | | | | | | | |
|--|----------------|---|---------------|---|--|-------------------|---------------|-------|-------|-------|-------|------|------|------|------|-------------|---------------|--|--------------|---|--|---|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | | | | | | | | | | | | | | | | | |
| <div>125UW</div> <div>'C' FEATURE</div> <div></div> | | | | General-purpose gage. Exposed solder tab area 0.10 x 0.07 (2.5 x 1.8 mm). See also 125UN pattern. | | | | | | | | | | | | | | | | | | |
| <table><tr><th>GAGE LENGTH</th><th>OVERALL LENGTH</th><th>GRID WIDTH</th><th>OVERALL WIDTH</th></tr><tr><td>0.125</td><td>0.325</td><td>0.180</td><td>0.180</td></tr><tr><td>3.18</td><td>8.26</td><td>4.57</td><td>4.57</td></tr><tr><td>MATRIX SIZE</td><td colspan="2">0.42L x 0.27W</td><td>10.7L x 6.9W</td></tr></table> | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | 0.125 | 0.325 | 0.180 | 0.180 | 3.18 | 8.26 | 4.57 | 4.57 | MATRIX SIZE | 0.42L x 0.27W | | 10.7L x 6.9W | CEA-XX-125UW-120 CEA-XX-125UW-350 | 120 ± 0.3% 350 ± 0.3% | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables) |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | | | | | | | | | | | | | | |
| 0.125 | 0.325 | 0.180 | 0.180 | | | | | | | | | | | | | | | | | | | |
| 3.18 | 8.26 | 4.57 | 4.57 | | | | | | | | | | | | | | | | | | | |
| MATRIX SIZE | 0.42L x 0.27W | | 10.7L x 6.9W | | | | | | | | | | | | | | | | | | | |
| <div>187BB</div> <div></div> | | | | Narrow general-purpose gage with long tabs. See also 187UW pattern. | | | | | | | | | | | | | | | | | | |
| <table><tr><th>GAGE LENGTH</th><th>OVERALL LENGTH</th><th>GRID WIDTH</th><th>OVERALL WIDTH</th></tr><tr><td>0.187</td><td>0.368</td><td>0.131</td><td>0.131</td></tr><tr><td>4.75</td><td>9.35</td><td>3.33</td><td>3.33</td></tr><tr><td>MATRIX SIZE</td><td colspan="2">0.55L x 0.26W</td><td>14.0L x 6.6W</td></tr></table> | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | 0.187 | 0.368 | 0.131 | 0.131 | 4.75 | 9.35 | 3.33 | 3.33 | MATRIX SIZE | 0.55L x 0.26W | | 14.0L x 6.6W | EA-XX-187BB-120 ED-DY-187BB-350 WA-XX-187BB-120 WK-XX-187BB-350 EP-08-187BB-120 SA-XX-187BB-120 SK-XX-187BB-350 SD-DY-187BB-350 WD-DY-187BB-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | | | | | | | | | | | | | | |
| 0.187 | 0.368 | 0.131 | 0.131 | | | | | | | | | | | | | | | | | | | |
| 4.75 | 9.35 | 3.33 | 3.33 | | | | | | | | | | | | | | | | | | | |
| MATRIX SIZE | 0.55L x 0.26W | | 14.0L x 6.6W | | | | | | | | | | | | | | | | | | | |
| <div>187UW</div> <div>'C' FEATURE</div> <div></div> | | | | General-purpose gage. Exposed solder tab area 0.10 x 0.07 in (2.5 x 1.8 mm). | | | | | | | | | | | | | | | | | | |
| <table><tr><th>GAGE LENGTH</th><th>OVERALL LENGTH</th><th>GRID WIDTH</th><th>OVERALL WIDTH</th></tr><tr><td>0.187</td><td>0.387</td><td>0.180</td><td>0.180</td></tr><tr><td>4.75</td><td>9.83</td><td>4.57</td><td>4.57</td></tr><tr><td>MATRIX SIZE</td><td colspan="2">0.49L x 0.27W</td><td>12.4L x 6.9W</td></tr></table> | | | | GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | 0.187 | 0.387 | 0.180 | 0.180 | 4.75 | 9.83 | 4.57 | 4.57 | MATRIX SIZE | 0.49L x 0.27W | | 12.4L x 6.9W | CEA-XX-187UW-120 CEA-XX-187UW-350 | 120 ± 0.3% 350 ± 0.3% | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables). |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | | | | | | | | | | | | | | | | |
| 0.187 | 0.387 | 0.180 | 0.180 | | | | | | | | | | | | | | | | | | | |
| 4.75 | 9.83 | 4.57 | 4.57 | | | | | | | | | | | | | | | | | | | |
| MATRIX SIZE | 0.49L x 0.27W | | 12.4L x 6.9W | | | | | | | | | | | | | | | | | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns


| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|---|----------------|---|---------------|---|---|--|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>200MB</div> <div> 1X 2X</div> | | | | Dual-grid gage. Narrow pattern geometry. Grid centerlines are spaced 0.030 in (0.8 mm) apart. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-200MB-120 WA-XX-200MB-120 WK-XX-200MB-350 SA-XX-200MB-120 SK-XX-200MB-350 | 120 ± 0.2% 120 ± 0.4% 350 ± 0.4% 120 ± 0.4% 350 ± 0.4% | W, E, L, LE W* W* |
| 0.200 ES | 0.330 CP | 0.020 ES | 0.130 CP | | | |
| 5.08 ES | 8.38 CP | 0.51 ES | 3.30 CP | | | |
| MATRIX SIZE | 0.50L x 0.21W | | 12.7L x 5.3W | | | |
| <div>230DS</div> <div> 1X 2X</div> | | | | General-purpose gage with very narrow geometry. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-230DS-120 ED-DY-230DS-350 WA-XX-230DS-120 WK-XX-230DS-350 EP-08-230DS-120 SA-XX-230DS-120 SK-XX-230DS-350 SD-DY-230DS-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% | E, SE, L, LE E |
| 0.230 | 0.375 | 0.022 | 0.030 | | | |
| 5.84 | 9.53 | 0.56 | 0.76 | | | |
| MATRIX SIZE | 0.50L x 0.12W | | 12.7L x 3.0W | | | |
| <div>250AE</div> <div></div> | | | | General-purpose gage with high-dissipation grid. See also 250AF pattern. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250AE-350 ED-DY-250AE-10C WA-XX-250AE-350 WK-XX-250AE-10C EP-08-250AE-350 SA-XX-250AE-350 SK-XX-250AE-10C SD-DY-250AE-10C WD-DY-250AE-10C | 350 ± 0.15% 1000 ± 0.3% 350 ± 0.3% 1000 ± 0.3% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.6% 1000 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.250 | 0.415 | 0.250 | 0.250 | | | |
| 6.35 | 10.54 | 6.35 | 6.35 | | | |
| MATRIX SIZE | 0.57L x 0.36W | | 14.5L x 9.1W | | | |


*Options available but not normally recommended. See Optional Features datasheet for details.




General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|--------------|---|-------------------------------------|--|---|-------------------|
| | ES = Each section S = Section (S1= Sec 1) | CP = Complete pattern M = Matrix | | | |

| | | | | | | |
|---|---------------------------|-----------------------|--------------------------|--|---|--|
| <div>250AF</div> <div></div> | | | | General-purpose gage with high-dissipation grid. Similar to 250AE pattern except for resistance. | | |
| <div>GAGE LENGTH</div> | <div>OVERALL LENGTH</div> | <div>GRID WIDTH</div> | <div>OVERALL WIDTH</div> | <div>EA-XX-250AF-120 ED-DY-250AF-350 WA-XX-250AF-120 WK-XX-250AF-350 EP-08-250AF-120 SA-XX-250AF-120 SK-XX-250AF-350 SD-DY-250AF-350 WD-DY-250AF-350</div> | <div>120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6%</div> | <div>W, E, L, LE, P E, L*, LE* W* W*</div> |
| 0.250 | 0.415 | 0.250 | 0.250 | | | |
| 6.35 | 10.54 | 6.35 | 6.35 | | | |
| MATRIX SIZE | 0.57L x 0.36W | | 14.5L x 9.1W | | | |


| | | | | | | | | | |
|---|-----------------------|-------------------|----------------------|---|--|--|--|---|--|
| 250BA | | | | Primarily used in eight-gage bridge circuits. | | | | | |
|  | | | | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | | EA-XX-250BA-175 ED-DY-250BA-500 WA-XX-250BA-175 WK-XX-250BA-500 SA-XX-250BA-175 SK-XX-250BA-500 SD-DY-250BA-500 WD-DY-250BA-500 | 175 ± 0.15% 500 ± 0.3% 175 ± 0.3% 500 ± 0.3% 175 ± 0.3% 500 ± 0.3% 500 ± 0.6% 500 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.250 | 0.375 | 0.125 | 0.125 | | | | | | |
| 6.35 | 9.53 | 3.18 | 3.18 | | | | | | |
| MATRIX SIZE | 0.53L x 0.22W | | 13.5L x 5.6W | | | | | | |


| | | | | | | |
|---|----------------|------------|---------------|---|--|------------------------------|
| <div>250BB</div> <div></div> | | | | General-purpose gage with large solder tabs. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250BB-120 ED-DY-250BB-350 EP-08-250BB-120 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.15% | W, E, L, LE, P E, L*, LE* |
| 0.250 | 0.490 | 0.175 | 0.175 | | | |
| 6.35 | 12.45 | 4.45 | 4.45 | | | |
| MATRIX SIZE | 0.64L x 0.27W | | 16.3L x 6.9W | | | |


*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|---|-------------------------------------|---|---|--------------------------|
| ES = Each section S = Section (S1= Sec 1) | CP = Complete pattern M = Matrix | <div>inch millimeter</div> | | |

| 250BF | | | | General-purpose gage with high-resistance grid. Compact geometry. Similar to 250BG pattern except for resistance. See also 250BM and 250UW patterns. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. | | |
|---|----------------|------------|---------------|--|--|---|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250BF-350 ED-DY-250BF-10C EK-XX-250BF-10C S2K-XX-250BF-10C WA-XX-250BF-350 WK-XX-250BF-10C EP-08-250BF-350 SA-XX-250BF-350 SK-XX-250BF-10C SD-DY-250BF-10C WD-DY-250BF-10C | 350 ± 0.15% 1000 ± 0.3% 1000 ± 0.15% 1000 ± 0.3% 350 ± 0.3% 1000 ± 0.3% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.6% 1000 ± 0.6% | W, E, L, LE, P E, L*, LE* W, SE W* W* |
| 0.250 | 0.375 | 0.125 | 0.125 | | | |
| 6.35 | 9.53 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.52L x 0.22W | | 13.2L x 5.6W | | | |




| 250BG | | | | Widely used general-purpose gage. Compact geometry. See also 250BF and 250UN patterns. | | |
|---|----------------|------------|---------------|--|---|--|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250BG-120 ED-DY-250BG-350 WA-XX-250BG-120 WK-XX-250BG-350 EA-XX-250BG-100 EP-08-250BG-120 SA-XX-250BG-120 SK-XX-250BG-350 SD-DY-250BG-350 WD-DY-250BG-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 100 ± 0.15% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.250 | 0.375 | 0.125 | 0.125 | | | |
| 6.35 | 9.53 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.52L x 0.22W | | 13.2L x 5.6W | | | |

| 250GG | | | | Narrow high-resistance gage. | | |
|---|----------------|------------|---------------|------------------------------|-----------------|--------------------------------|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.250 | 0.352 | 0.100 | 0.100 | | | |
| 6.35 | 8.94 | 2.54 | 2.54 | | | |
| MATRIX SIZE | 0.43L x 0.18W | | 10.9L x 4.6W | | EA-XX-250GG-10C | 1000 ± 0.15% W, E, L, LE, P |

*Options available but not normally recommended. See Optional Features datasheet for details.




General Purpose Strain Gages - Linear Patterns


| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|---|----------------|---|---------------|---|---|--|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>250BK</div> <div></div> | | | | High-resistance gage with good power dissipation capability for high-output applications or use on plastics. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250BK-10C WA-XX-250BK-10C WK-XX-250BK-30C SA-XX-250BK-10C SK-XX-250BK-30C | 1000 ± 0.15% 1000 ± 0.3% 3000 ± 0.3% 1000 ± 0.3% 3000 ± 0.3% | W, E, L, LE, P W* W* |
| 0.250 | 0.430 | 0.175 | 0.175 | | | |
| 6.35 | 10.92 | 4.45 | 4.45 | | | |
| MATRIX SIZE | 0.58L x 0.27W | | 14.7L x 6.9W | | | |
| <div>250BM</div> <div></div> | | | | A higher resistance version of the 250BF pattern. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250BM-500 ED-DY-250BM-15C WA-XX-250BM-500 WK-XX-250BM-15C EP-08-250BM-500 SA-XX-250BM-500 SK-XX-250BM-15C SD-DY-250BM-15C WD-DY-250BM-15C | 500 ± 0.15% 1500 ± 0.3% 500 ± 0.3% 1500 ± 0.3% 500 ± 0.15% 500 ± 0.3% 1500 ± 0.3% 1500 ± 0.6% 1500 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.250 | 0.375 | 0.125 | 0.125 | | | |
| 6.35 | 9.53 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.58L x 0.27W | | 14.7L x 6.9W | | | |
| <div>250BP</div> <div></div> | | | | A general-purpose gage used primarily to obtain 120-ohm grid resistance in SK and WK Series. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | SK-XX-250BP-120 WK-XX-250BP-120 ED-DY-250BP-120 SD-DY-250BP-120 WD-DY-250BP-120 | 120 ± 0.3% 120 ± 0.3% 120 ± 0.3% 120 ± 0.6% 120 ± 0.6% | W* E, L*, LE* |
| 0.250 | 0.375 | 0.125 | 0.125 | | | |
| 6.35 | 9.53 | 3.18 | 3.18 | | | |
| MATRIX SIZE | 0.53L x 0.22W | | 13.5L x 5.6W | | | |


*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|---|-------------------------------------|---|---|--------------------------|
| ES = Each section S = Section (S1= Sec 1) | CP = Complete pattern M = Matrix | inch millimeter | | |

| 250DM | | | | General-purpose gage with solder tab at each end of grid. See also 250EM pattern. | | |
|---|----------------|---------------|---------------|---|--|------------------------|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250DM-120 ED-DY-250DM-350 WA-XX-250DM-120 WK-XX-250DM-350 EP-08-250DM-120 SA-XX-250DM-120 SK-XX-250DM-350 SD-DY-250DM-350 WD-DY-250DM-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | E, L, LE E, L*, LE* |
| 0.250 | 0.450 | 0.250 | 0.250 | | | |
| 6.35 | 11.43 | 6.35 | 6.35 | | | |
| MATRIX SIZE | | 0.61L x 0.35W | 15.5L x 8.9W | | | |


| 250EM | | | | General-purpose gage. Similar to 250DM pattern but with tab at each side of grid. | | |
|---|----------------|---------------|---------------|---|--|------------------------|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250EM-120 ED-DY-250EM-350 WA-XX-250EM-120 WK-XX-250EM-350 EP-08-250EM-120 SA-XX-250EM-120 SK-XX-250EM-350 SD-DY-250EM-350 WD-DY-250EM-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | E, L, LE E, L*, LE* |
| 0.250 | 0.290 | 0.250 | 0.400 | | | |
| 6.35 | 7.37 | 6.35 | 10.16 | | | |
| MATRIX SIZE | | 0.44L x 0.48W | 11.2L x 12.2W | | | |


| 250MQ | | | | Dual pattern for back-to-back bending applications. Longitudinal grid centerlines are spaced 0.185 in (4.70 mm) apart. See also 250PD pattern. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. | | |
|---|----------------|---------------|---------------|--|--|--|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-250MQ-350 ED-DY-250MQ-10C EK-XX-250MQ-10C WA-XX-250MQ-350 WK-XX-250MQ-10C SA-XX-250MQ-350 SK-XX-250MQ-10C SD-DY-250MQ-10C WD-DY-250MQ-10C | 350 ± 0.2% 1000 ± 0.4% 1000 ± 0.2% 350 ± 0.3% 1000 ± 0.4% 350 ± 0.3% 1000 ± 0.4% 1000 ± 0.8% 1000 ± 0.8% | W, E, L, LE E, L*, LE* W, SE W* W* |
| 0.250ES | 0.375 CP | 0.125 ES | 0.310 CP | | | |
| 6.35 ES | 9.53 CP | 3.18 ES | 7.87 CP | | | |
| MATRIX SIZE | | 0.47L x 0.40W | 11.9L x 10.2W | | | |


*Options available but not normally recommended. See Optional Features datasheet for details.



General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|---|----------------|---|---------------|--|--|--|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>250PD</div> <div></div> | | | | Dual-element pattern with longitudinal grid centerlines spaced 0.130 in (3.30 mm) apart. See also 250MQ pattern. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. | | |
| | | | | EA-XX-250PD-120 EA-XX-250PD-350 ED-DY-250PD-350 EK-XX-250PD-10C S2K-XX-250PD-10C WA-XX-250PD-120 WA-XX-250PD-350 WK-XX-250PD-350 WK-XX-250PD-10C SA-XX-250PD-120 SA-XX-250PD-350 SK-XX-250PD-350 SK-XX-250PD-10C SD-DY-250PD-350 WD-DY-250PD-350 | 120 ± 0.2% 350 ± 0.2% 350 ± 0.4% 1000 ± 0.2% 1000 ± 0.4% 120 ± 0.3% 350 ± 0.3% 350 ± 0.4% 1000 ± 0.4% 120 ± 0.4% 350 ± 0.4% 350 ± 0.4% 1000 ± 0.4% 350 ± 0.8% 350 ± 0.8% | W, E, L, LE W, E, L, LE E W, SE W* W* W* W* |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.250ES | 0.358 CP | 0.110 ES | 0.240 CP | | | |
| 6.35 ES | 9.09 CP | 2.79 ES | 6.10 CP | | | |
| MATRIX SIZE | 0.44L x 0.32W | | 11.2L x 8.1W | | | |

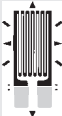
| | | | | | | |
|---|----------------|------------|---------------|--|--|--|
| <div>250SD</div> <div></div> | | | | General-purpose gage for use near abutments and in restricted areas. | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.250 | 0.320 | 0.120 | 0.190 | | | |
| 6.35 | 8.13 | 3.05 | 4.83 | | | |
| MATRIX SIZE | 0.45L x 0.30W | | 11.4L x 7.6W | | | |


| | | | | | | |
|--|----------------|------------|---------------|---|--|--|
| <div>250UN</div> <div><div>'C' FEATURE</div><div></div></div> | | | | General-purpose gage with narrow geometry. Exposed solder tab area 0.08 x 0.05 in (2.0 x 1.1 mm). See also 250UW pattern. | | |
| | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.250 | 0.415 | 0.120 | 0.120 | | | |
| 6.35 | 10.54 | 3.05 | 3.05 | | | |
| MATRIX SIZE | 0.52L x 0.22W | | 13.2L x 5.6W | | | |


| | | |
|--------------------------------------|--------------------------|---|
| CEA-XX-250UN-120 CEA-XX-250UN-350 | 120 ± 0.3% 350 ± 0.3% | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables). |
|--------------------------------------|--------------------------|---|

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|----------------|---|---------------|--|--|---|
| ES = Each section S = Section (S1= Sec 1) M = Matrix | | <div>inch</div> <div>millimeter</div> | | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |
| <div>250UW</div> <div><div>'C' FEATURE</div><div></div></div> | | | | General-purpose gage. Exposed solder tab area 0.10 x 0.07 in (2.5 x 1.8 mm). See also 250UN pattern. | | |
| | | | | CEA-XX-250UW-120 CEA-XX-250UW-175 CEA-XX-250UW-350 CEA-XX-250UW-10C | 120 ± 0.3% 175 ± 0.3% 350 ± 0.3% 1000 ± 0.3% | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables). |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.250 | 0.450 | 0.180 | 0.180 | | | |
| 6.35 | 11.43 | 4.57 | 4.57 | | | |
| MATRIX SIZE | | 0.55L x 0.27W | | 14.0L x 6.9W | | |

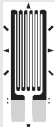
| | | | | | | |
|---|----------------|---------------|---------------|---|---|---------------|
| <div>350DD</div> <div></div> | | | | General-purpose gage with narrow pattern geometry and tab at each end of grid. | | |
| | | | | EA-XX-350DD-350 ED-DY-350DD-10C WA-XX-350DD-350 WK-XX-350DD-10C EP-08-350DD-350 SA-XX-350DD-350 SK-XX-350DD-10C SD-DY-350DD-10C WD-DY-350DD-10C | 350 ± 0.15% 1000 ± 0.3% 350 ± 0.3% 1000 ± 0.3% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.6% 1000 ± 0.6% | E, L, LE E |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.350 | 0.500 | 0.100 | 0.100 | | | |
| 8.89 | 12.70 | 2.54 | 2.54 | | | |
| MATRIX SIZE | | 0.61L x 0.18W | | 15.5L x 4.6W | | |


| | | | | | | |
|---|----------------|---------------|---------------|---|--|--|
| <div>375BG</div> <div></div> | | | | General-purpose gage. See also 375UW pattern. | | |
| | | | | EA-XX-375BG-120 ED-DY-375BG-350 WA-XX-375BG-120 WK-XX-375BG-350 EP-08-375BG-120 SA-XX-375BG-120 SK-XX-375BG-350 SD-DY-375BG-350 WD-DY-375BG-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.375 | 0.563 | 0.187 | 0.187 | | | |
| 9.53 | 14.30 | 4.75 | 4.75 | | | |
| MATRIX SIZE | | 0.71L X 0.29W | | 18.0L x 7.4W | | |


*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | Actual size shown. Enlarged when necessary for definition. | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|---|---|--|--|-------------------|
| | | | | |
| ES = Each section S = Section (S1= Sec 1) M = Matrix | inch millimeter | Insert desired S-T-C number in spaces marked XX. | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |

| | | | | | | |
|--|----------------|------------|---------------|--|--------------------------|---|
| <div>375UW</div> <div><div>'C' FEATURE</div><div></div></div> | | | | General-purpose gage. Exposed solder tab area 0.10 x 0.07 in (2.5 x 1.8 mm). | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | CEA-XX-375UW-120 CEA-XX-375UW-350 | 120 ± 0.3% 350 ± 0.3% | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables). |
| 0.375 | 0.575 | 0.180 | 0.180 | | | |
| 9.53 | 14.61 | 4.57 | 4.57 | | | |
| MATRIX SIZE | 0.67L x 0.27W | | 17.0L x 6.9W | | | |

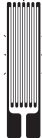
| | | | | | | |
|--|---------------------------|-----------------------|--------------------------|--|--|---|
| <div>500AE</div> <div></div> | | | | Large gage with very high power-dissipation capability. Similar to 500AF pattern but higher resistance. | | |
| <div>GAGE LENGTH</div> | <div>OVERALL LENGTH</div> | <div>GRID WIDTH</div> | <div>OVERALL WIDTH</div> | <div>EA-XX-500AE-350</div> <div>ED-DY-500AE-10C</div> <div>WA-XX-500AE-350</div> <div>WK-XX-500AE-10C</div> <div>EP-08-500AE-350</div> <div>SA-XX-500AE-350</div> <div>SK-XX-500AE-10C</div> <div>SD-DY-500AE-10C</div> <div>WD-DY-500AE-10C</div> | <div>350 ± 0.15%</div> <div>1000 ± 0.3%</div> <div>350 ± 0.3%</div> <div>1000 ± 0.3%</div> <div>350 ± 0.15%</div> <div>350 ± 0.3%</div> <div>1000 ± 0.3%</div> <div>1000 ± 0.6%</div> <div>1000 ± 0.6%</div> | <div>W, E, L, LE, P</div> <div>E, L*, LE*</div> <div>W*</div> <div>W*</div> |
| <div>0.500</div> | <div>0.850</div> | <div>0.500</div> | <div>0.500</div> | | | |
| <div>12.70</div> | <div>21.59</div> | <div>12.70</div> | <div>12.70</div> | | | |
| <div>MATRIX SIZE</div> | <div>0.95L x 0.60W</div> | | <div>24.1L x 15.2W</div> | | | |


| | | | | | | |
|---|----------------|------------|---------------|---|--|--|
| <div>500AF</div> <div></div> | | | | Large gage with very high power-dissipation capability. See also 500AE pattern. | | |
| | | | | EA-XX-500AF-120 ED-DY-500AF-350 WA-XX-500AF-120 WK-XX-500AF-350 EP-08-500AF-120 SA-XX-500AF-120 SK-XX-500AF-350 SD-DY-500AF-350 WD-DY-500AF-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | | | |
| 0.500 | 0.830 | 0.500 | 0.500 | | | |
| 12.70 | 21.08 | 12.70 | 12.70 | | | |
| MATRIX SIZE | 0.98L x 0.58W | | 24.9L x 14.7W | | | |

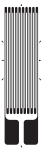
*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|---|-------------------------------------|---|---|--------------------------|
| ES = Each section S = Section (S1= Sec 1) | CP = Complete pattern M = Matrix | inch millimeter | | |

| 500BC | | | | Special-resistance version of the 500BH pattern. | | |
|---|----------------|---------------|---------------|---|--|--|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-500BC-200 ED-DY-500BC-600 WA-XX-500BC-200 WK-XX-500BC-600 EP-08-500BC-200 SA-XX-500BC-200 SK-XX-500BC-600 SD-DY-500BC-600 WD-DY-500BC-600 | 200 ± 0.15% 600 ± 0.3% 200 ± 0.3% 600 ± 0.3% 200 ± 0.15% 200 ± 0.3% 600 ± 0.3% 600 ± 0.6% 600 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.500 | 0.710 | 0.175 | 0.175 | | | |
| 12.70 | 18.03 | 4.45 | 4.45 | | | |
| MATRIX SIZE | | 0.77L x 0.23W | | 19.6L x 5.8W | | |

| 500BH | | | | Widely used general-purpose gage with compact geometry. See also 500BL and 500UW patterns. | | |
|--|----------------|---------------|---------------|---|--|--|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-500BH-120 ED-DY-500BH-350 WA-XX-500BH-120 WK-XX-500BH-350 EP-08-500BH-120 SA-XX-500BH-120 SK-XX-500BH-350 SD-DY-500BH-350 WD-DY-500BH-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.500 | 0.720 | 0.175 | 0.175 | | | |
| 12.70 | 18.29 | 4.45 | 4.45 | | | |
| MATRIX SIZE | | 0.92L x 0.30W | | 23.4L x 7.6W | | |


| 500BL | | | | General-purpose gage. Similar to 500BH pattern except for resistance. See also 500UW pattern. | | |
|---|----------------|---------------|---------------|---|---|--|
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-500BL-350 ED-DY-500BL-10C WA-XX-500BL-350 WK-XX-500BL-10C EP-08-500BL-350 SA-XX-500BL-350 SK-XX-500BL-10C SD-DY-500BL-10C WD-DY-500BL-10C | 350 ± 0.15% 1000 ± 0.3% 350 ± 0.3% 1000 ± 0.3% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.6% 1000 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.500 | 0.720 | 0.175 | 0.175 | | | |
| 12.70 | 18.29 | 4.45 | 4.45 | | | |
| MATRIX SIZE | | 0.87L x 0.27W | | 22.1L x 6.9W | | |


*Options available but not normally recommended. See Optional Features datasheet for details.




General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN | | Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION | RES. IN OHMS | OPTIONS AVAILABLE |
|--|--|---|--|--------------------|---|-------------------|
| ES = Each section S = Section (S1= Sec 1) | | CP = Complete pattern M = Matrix | | inch millimeter | Tolerance is increased when Option W, E, SE, LE, or P is specified. | |

| | | | | | | |
|---|----------------|------------|---------------|---|--|--|
| 500BV | | | | Special-resistance variation of the 500BH pattern. | | |
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-500BV-100 ED-DY-500BV-300 WA-XX-500BV-100 WK-XX-500BV-300 EP-08-500BV-100 SA-XX-500BV-100 SK-XX-500BV-300 SD-DY-500BV-300 WD-DY-500BV-300 | 100 ± 0.15% 300 ± 0.3% 100 ± 0.3% 300 ± 0.3% 100 ± 0.15% 100 ± 0.3% 300 ± 0.3% 300 ± 0.6% 300 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| 0.500 | 0.720 | 0.175 | 0.175 | | | |
| 12.70 | 18.29 | 4.45 | 4.45 | | | |
| MATRIX SIZE | 0.82L x 0.27W | | 20.8L x 6.9W | | | |


| | | | | | | |
|---|----------------|------------|---------------|--|--|------------------|
| 500GA | | | | Very narrow gage. Variation of the 500GB pattern, used primarily to obtain 120-ohm resistance in SK and WK Series. | | |
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | SK-XX-500GA-120 WK-XX-500GA-120 ED-DY-500GA-120 SD-DY-500GA-120 WD-DY-500GA-120 EA-XX-500GA-040 | 120 ± 0.3% 120 ± 0.3% 120 ± 0.3% 120 ± 0.3% 120 ± 0.3% 40 ± 0.15% | W* E, L*, LE* |
| 0.500 | 0.600 | 0.016 | 0.060 | | | |
| 12.70 | 15.24 | 0.41 | 1.52 | | | |
| MATRIX SIZE | 0.73L x 0.15W | | 18.5L x 3.8W | | | |


| | | | | | | |
|---|----------------|------------|---------------|---|--|---|
| 500GB | | | | General-purpose gage with very narrow geometry. See also 500GA and 500GC patterns. | | |
|  | | | | | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-500GB-120 ED-DY-500GB-350 WA-XX-500GB-120 WK-XX-500GB-350 EP-08-500GB-120 SA-XX-500GB-120 SK-XX-500GB-350 SD-DY-500GB-350 WD-DY-500GB-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W*, E, L, LE, P W*, E, L*, LE* W* W* |
| 0.500 | 0.620 | 0.060 | 0.060 | | | |
| 12.70 | 15.75 | 1.52 | 1.52 | | | |
| MATRIX SIZE | 0.75L x 0.15W | | 19.1L x 3.8W | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Linear Patterns

| GAGE PATTERN Actual size shown. Enlarged when necessary for definition. | | GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX. | RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified. | OPTIONS AVAILABLE |
|---|-------------------------------------|---|---|--------------------------|
| ES = Each section S = Section (S1= Sec 1) | CP = Complete pattern M = Matrix | inch millimeter | | |

| | | | | | | |
|--|-----------------------|-------------------|----------------------|---|---|---|
| 500GC  | | | | General-purpose gage with very narrow geometry. Similar to the 500GB pattern except for resistance. | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | EA-XX-500GC-350 ED-DY-500GC-10C WA-XX-500GC-350 WK-XX-500GC-10C EP-08-500GC-350 SA-XX-500GC-350 SK-XX-500GC-10C SD-DY-500GC-10C WD-DY-500GC-10C | 350 ± 0.15% 1000 ± 0.3% 350 ± 0.3% 1000 ± 0.3% 350 ± 0.15% 350 ± 0.3% 1000 ± 0.3% 1000 ± 0.6% 1000 ± 0.6% | W*, E, L, LE, P W*, E, L*, LE* W* W* |
| 0.500 | 0.620 | 0.060 | 0.060 | | | |
| 12.70 | 15.75 | 1.52 | 1.52 | | | |
| MATRIX SIZE | 0.78L x 0.15W | | 19.8L x 3.8W | | | |

| | | | | | | |
|--|-----------------------|-------------------|----------------------|---|--------------------------|---|
| 500UW  | | | | General-purpose gage. Exposed solder tab area 0.10 x 0.07 in (2.5 x 1.8mm). | | |
| GAGE LENGTH | OVERALL LENGTH | GRID WIDTH | OVERALL WIDTH | CEA-XX-500UW-120 CEA-XX-500UW-350 | 120 ± 0.3% 350 ± 0.3% | CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables). |
| 0.500 | 0.700 | 0.180 | 0.180 | | | |
| 12.70 | 17.78 | 4.57 | 4.57 | | | |
| MATRIX SIZE | 0.80L x 0.27W | | 20.3L x 6.9W | | | |

*Options available but not normally recommended. See Optional Features datasheet for details.