General Purpose Strain Gages - Tee Rosettes

FEATURES

- Gage patterns designed for measuring orthogonal strains
- All patterns have two grids orientated at 0° and 90° angles
- Both stacked and planar constructions available
- Gage lengths from 0.062 in (1.57mm) to 0.500 in (12.7mm)

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; inch / millimeter			

030TU

1X

4X

Miniature 90° tee rosette. Sections are electrically independent.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.030 ES	0.110 CP	0.044 ES	0.148 CP
0.76 ES	2.79 CP	1.12 ES	3.76 CP
MATRIX SIZE	0.25L x 0.25W		6.4L x 6.4W

EA-XX-030TU-120	120 ± 0.4%	E, L, LE
EP-08-030TU-120	120 ± 0.4%	
SA-XX-030TU-120	120 ± 0.8%	
SK-XX-030TU-350	350 ± 0.8%	

030TY

1X

2X

Miniature 90° tee rosette with large solder tabs.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.030 ES	0.190 CP	0.044 ES	0.060 CP
0.76 ES	4.83 CP	1.12 ES	1.52 CP
MATRIX SIZE	0.30L x 0.15W		7.6L x 3.8W

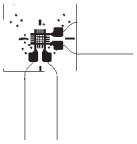
EA-XX-030TY-120	120 ± 0.4%	
EP-08-030TY-120	120 ± 0.4%	
SA-XX-030TY-120	120 ± 0.8%	
SK-XX-030TY-350	350 ± 0.8%	

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern 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.	

030WT

1X



2X

Miniature two-element 90° tee stacked rosette. See also 032WT pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.030 ES	0.17 M	0.030 ES	0.19 M
0.76 ES	4.3 M	0.76 ES	4.8 M
MATRIX SIZE	0.17L x 0.19W		4.3L x 4.8W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
WA-XX-030WT-120	120 ± 0.8%	
WK-XX-030WT-120	120 ± 0.8%	
SA-XX-030WT-120	120 ± 0.8%	
SK-XX-030WT-120	120 ± 0.8%	

032WT

'C' FEATURE

1X

2X

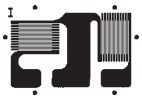
Miniature two-element 90° stacked rosette. Exposed solder tab area is 0.07 x 0.04 in (1.8 x 1.0 mm). Maximum operating temperature +150°F (+65°C).

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.032 ES	0.215 CP	0.060 ES	0.215 CP
0.81 ES	5.46 CP	1.52 ES	5.46 CP
MATRIX SIZE	0.30L x 0.30W		7.6L x 7.6W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
CEA-XX-032WT-120	120 ± 0.5%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid.

044TP

1X



4X

Miniature high-resistance 90° tee rosette.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.044 ES	0.098 CP	0.044 ES	0.158 CP
1.12 ES	2.49 CP	1.12 ES	4.01 CP
MATRIX SIZE	0.14L x 0.20W		3.6L x 5.1W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-044TP-350	350 ± 0.2%	E
SA-XX-044TP-350	350 ± 0.4%	

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix (inch / millimeter)	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

050TG

1X

2X

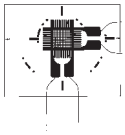
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.050 ES	0.250 CP	0.070 ES	0.070 CP
1.27 ES	6.35 CP	1.78 ES	1.78 CP
MATRIX SIZE	0.34L x 0.17W	8.6L x 4.3W	

Miniature high-resistance 90° tee rosette. Sections have a common solder tab.

EA-XX-050TG-350	350 ± 0.2%	L, LE
WA-XX-050TG-350	350 ± 0.4%	
EP-08-050TG-350	350 ± 0.2%	
SA-XX-050TG-350	350 ± 0.4%	

060WT

1X



2X

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.060 ES	0.24 M	0.060 ES	0.30 M
1.52 ES	6.1 M	1.52 ES	7.6 M
MATRIX SIZE	0.24L x 0.30W	6.1L x 7.6W	

Small two-element 90° tee stacked rosette. See also 062WT pattern.

WA-XX-060WT-120	120 ± 0.5%	
WK-XX-060WT-120	120 ± 0.5%	
WK-XX-060WT-350	350 ± 0.5%	
WK-XX-060WT-10C	1000 ± 0.5%	
SA-XX-060WT-120	120 ± 0.5%	
SK-XX-060WT-120	120 ± 0.5%	
SK-XX-060WT-350	350 ± 0.5%	
SK-XX-060WT-10C	1000 ± 0.5%	

062TJ

1X

2X

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.062 ES	0.295 CP	0.080 ES	0.080 CP
1.57 ES	7.49 CP	2.03 ES	2.03 CP
MATRIX SIZE	0.38L x 0.19W	12.2L x 4.8W	

General-purpose 90° tee rosette. Sections have a common solder tab.

EA-XX-062TJ-120	120 ± 0.2%	
EA-XX-062TJ-350	350 ± 0.2%	
SA-XX-062TJ-120	120 ± 0.4%	
SA-XX-062TJ-350	350 ± 0.4%	

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern 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.	

062TT

General-purpose 90° tee rosette. Sections are electrically independent. See also 062TZ and 062UT patterns. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified.

1X 2X

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.062 ES	0.133 CP	0.075 ES	0.168 CP
1.57 ES	3.38 CP	1.91 ES	4.27 CP
MATRIX SIZE	0.28L x 0.26W	7.1L x 6.6W	

EA-XX-062TT-120	120 ± 0.2%	W, E, L, LE
EA-XX-062TT-350	350 ± 0.2%	W, E, L, LE
EK-XX-062TT-350	350 ± 0.2%	W, SE
WA-XX-062TT-120	120 ± 0.4%	W*
WA-XX-062TT-350	350 ± 0.4%	W*
WK-XX-062TT-350	350 ± 0.4%	W*
EP-08-062TT-120	120 ± 0.2%	
EP-08-062TT-350	350 ± 0.2%	
SA-XX-062TT-120	120 ± 0.4%	
SA-XX-062TT-350	350 ± 0.4%	
SK-XX-062TT-350	350 ± 0.4%	

062TZ

General-purpose 90° tee rosette. Similar in geometry to 062TT pattern except common tab version.

1X 2X

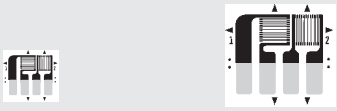
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.062 ES	0.133 CP	0.075 ES	0.168 CP
1.57 ES	3.38 CP	1.91 ES	4.27 CP
MATRIX SIZE	0.28L x 0.26W	7.1L x 6.6W	

EA-XX-062TZ-350	350 ± 0.2%	W, E, L, LE
WA-XX-062TZ-350	350 ± 0.4%	
WK-XX-062TZ-120	120 ± 0.4%	
SA-XX-062TZ-350	350 ± 0.4%	
SK-XX-062TZ-120	120 ± 0.4%	

062UT

'C' FEATURE

Small general-purpose two-element 90° tee rosette. Exposed solder tab area 0.07 x 0.04 in [1.8 x 1.0 mm].



1X 2X

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.062 ES	0.205 CP	0.080 ES	0.225 CP
1.57 ES	5.21 CP	2.03 ES	5.72 CP
MATRIX SIZE	0.31L x 0.31W	7.9L x 7.9W	

CEA-XX-062UT-120	120 ± 0.4%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables).
CEA-XX-062UT-350	350 ± 0.4%	

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

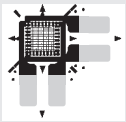
General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix (inch / millimeter)	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

062WT

'C' FEATURE

1X



2X

Small two-element 90° stacked rosette. Exposed solder tab area 0.07 x 0.04 in (1.8 x 1.0 mm). Maximum operating temperature +150°F (+65°C).

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.062 ES	0.235 CP	0.120 ES	0.235 CP
1.57 ES	5.97 CP	3.05 ES	5.97 CP
MATRIX SIZE	0.33L x 0.33W	8.3L x 8.3W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
CEA-XX-062WT-120	120 ± 0.5%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid.
CEA-XX-062WT-350	350 ± 0.5%	

100TG

Small high-resistance 90° tee rosette for general-purpose use. See also 100VA pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.100 ES	0.400 CP	0.116 ES	0.116 CP
2.54 ES	10.16 CP	2.95 ES	2.95 CP
MATRIX SIZE	0.50L x 0.19W	12.7L x 4.8W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-100TG-350	350 ± 0.2%	
SA-XX-100TG-350	350 ± 0.4%	
SK-XX-100TG-10C	1000 ± 0.4%	

100VA

Small high-resistance 90° tee rosette. Similar to 100TG pattern except sections are electrically independent.

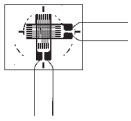
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.100 ES	0.400 CP	0.120 ES	0.120 CP
2.54 ES	10.16 CP	3.05 ES	3.05 CP
MATRIX SIZE	0.57L x 0.23W	14.5L x 5.8W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-100VA-350	350 ± 0.2%	
SA-XX-100VA-350	350 ± 0.4%	
SK-XX-100VA-10C	1000 ± 0.4%	

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix (inch / millimeter)	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

120WT



Two-element 90° tee stacked rosette. See also 125WT pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.120 ES	0.34 M	0.080 ES	0.40 M
3.05 ES	8.6 M	2.03 ES	10.1 M
MATRIX SIZE	0.34L x 0.40W		8.6L x 10.2W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
WA-XX-120WT-120	120 ± 0.5%	
WA-XX-120WT-350	350 ± 0.5%	
WD-DY-120WT-350	350 ± 0.5%	
WK-XX-120WT-120	120 ± 0.5%	
WK-XX-120WT-350	350 ± 0.5%	
SA-XX-120WT-120	120 ± 0.5%	
SA-XX-120WT-350	350 ± 0.5%	
SK-XX-120WT-120	120 ± 0.5%	
SK-XX-120WT-350	350 ± 0.5%	
SD-DY-120WT-350	350 ± 0.5%	

125TA

General-purpose two-element 90° tee rosette. Sections have a common electrical connection. See also 125TB pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.210 CP	0.150 ES	0.330 CP
3.18 ES	5.33 CP	3.81 ES	8.38 CP
MATRIX SIZE	0.36L x 0.41W		9.1L x 10.4W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-125TA-120	120 ± 0.2%	W, E, L, LE
WA-XX-125TA-120	120 ± 0.4%	W*
WK-XX-125TA-350	350 ± 0.4%	W*
SA-XX-125TA-120	120 ± 0.4%	
SK-XX-125TA-350	350 ± 0.4%	

125TB

General-purpose two-element 90° tee rosette. Same geometry as 125TA but with higher resistance. Sections have common electrical connection. 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
0.125 ES	0.213 CP	0.150 ES	0.340 CP
3.18 ES	5.41 CP	3.81 ES	8.64 CP
MATRIX SIZE	0.36L x 0.44W		9.1L x 11.2W

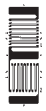
GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-125TB-350	350 ± 0.2%	W, E, L, LE
EK-XX-125TB-10C	1000 ± 0.2%	W, SE
WA-XX-125TB-350	350 ± 0.4%	W*
WK-XX-125TB-10C	1000 ± 0.4%	W*
SA-XX-125TB-350	350 ± 0.4%	
SK-XX-125TB-10C	1000 ± 0.4%	

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

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix (inch / millimeter)	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

125TF

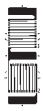


General-purpose two-element 90° tee rosette with narrow pattern geometry. Sections have a common electrical connection. See also 125TG pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.500 CP	0.150 ES	0.150 CP
3.18 ES	12.70 CP	3.81 ES	3.81 CP
MATRIX SIZE	0.59L x 0.21W	15.0L x 5.3W	

EA-XX-125TF-120	120 ± 0.2%	L, LE
SA-XX-125TF-120	120 ± 0.4%	
SK-XX-125TF-350	350 ± 0.4%	

125TG



General-purpose two-element 90° tee rosette with high-resistance grid. Sections have a common electrical connection. See also 125TF and 125VA patterns. EK-Series gages are supplied with duplex copper dots (DD) when optional feature SE is not specified.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.500 CP	0.150 ES	0.150 CP
3.18 ES	12.70 CP	3.81 ES	3.81 CP
MATRIX SIZE	0.59L x 0.21W	15.0L x 5.3W	

EA-XX-125TG-350	350 ± 0.2%	L, LE
EK-XX-125TG-10C	1000 ± 0.2%	SE
WA-XX-125TG-350	350 ± 0.4%	
SA-XX-125TG-350	350 ± 0.4%	
SK-XX-125TG-10C	1000 ± 0.4%	

125TM

General-purpose two-element 90° tee rosette. Sections are electrically independent. See also 125TQ and 125UT patterns.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.215 CP	0.150 ES	0.335 CP
3.18 ES	5.46 CP	3.81 ES	8.51 CP
MATRIX SIZE	0.36L x 0.43W	9.1L x 10.9W	

EA-XX-125TM-120	120 ± 0.2%	W, E, L, LE
WA-XX-125TM-120	120 ± 0.4%	*W
WK-XX-125TM-350	350 ± 0.4%	*W
EP-08-125TM-120	120 ± 0.2%	
SA-XX-125TM-120	120 ± 0.4%	
SK-XX-125TM-350	350 ± 0.4%	

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

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern 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.	

125TQ

General-purpose two-element 90° tee rosette. Similar to 125TM pattern except for resistance. See also 125UT pattern. 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
0.125 ES	0.215 CP	0.150 ES	0.335 CP
3.18 ES	5.46 CP	3.81 ES	8.51 CP
MATRIX SIZE	0.42L x 0.47W		10.7L x 11.9W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-125TQ-350	350 ± 0.2%	W, E, L, LE
EK-XX-125TQ-10C	1000 ± 0.2%	W, SE
WA-XX-125TQ-350	350 ± 0.4%	W*
WK-XX-125TQ-10C	1000 ± 0.4%	W*
EP-08-125TQ-350	350 ± 0.2%	
SA-XX-125TQ-350	350 ± 0.4%	
SK-XX-125TQ-10C	1000 ± 0.4%	

125VA

General-purpose two-element 90° tee rosette with high-resistance grid. Similar to 125TG pattern except sections are electrically independent. See also 125VB pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.500 CP	0.150 ES	0.150 CP
3.18 ES	12.70 CP	3.81 ES	3.81 CP
MATRIX SIZE	0.64L x 0.23W		16.3L x 5.8W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-125VA-350	350 ± 0.2%	
EP-08-125VA-350	350 ± 0.2%	
SA-XX-125VA-350	350 ± 0.4%	
SK-XX-125VA-10C	1000 ± 0.4%	

125VB

General-purpose two-element 90° tee rosette. Similar to 125TF pattern except sections are electrically independent. See also 125VA pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.500 CP	0.150 ES	0.150 CP
3.18 ES	12.70 CP	3.81 ES	3.81 CP
MATRIX SIZE	0.64L x 0.23W		16.3L x 5.8W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-125VB-120	120 ± 0.2%	
EP-08-125VB-120	120 ± 0.2%	
SA-XX-125VB-120	120 ± 0.4%	
SK-XX-125VB-350	350 ± 0.4%	

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

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
Actual size shown. Enlarged when necessary for definition. ES = Each section, CP = Complete pattern, 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.	

125UT

'C' FEATURE

Two-element 90° tee rosette for general-purpose use. Exposed solder tab area 0.10 x 0.07 in (2.5 x 1.8 mm).

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.325 CP	0.165 ES	0.365 CP
3.18 ES	8.26 CP	4.19 ES	9.27 CP
MATRIX SIZE	0.42L x 0.45W		10.7L x 11.4W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
CEA-XX-125UT-120	120 ± 0.4%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables).
CEA-XX-125UT-350	350 ± 0.4%	

125WT

'C' FEATURE

Two-element 90° tee stacked rosette. Exposed solder tab area 0.10 x 0.07 in (2.5 x 1.8 mm). Maximum operating temperature +150°F (+65°C).

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.125 ES	0.325 CP	0.180 ES	0.325 CP
3.18 ES	8.2 CP	4.57 ES	8.26 CP
MATRIX SIZE	0.42L x 0.42W		10.7L x 10.7W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
CEA-XX-125WT-120	120 ± 0.5%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid.
CEA-XX-125WT-350	350 ± 0.5%	

250NA

Stress gage. Electrically balanced for highest accuracy. The included angle is 57°, corresponding to Poisson's ratio of 0.295.

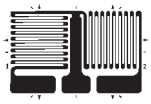
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	0.306 CP	0.093 ES	0.493 CP
6.35 ES	7.77 CP	2.36 ES	12.52 CP
MATRIX SIZE	0.40L x 0.59W		10.2L x 15.0W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250NA-120	120 ± 0.2%	L, LE
WA-XX-250NA-120	120 ± 0.4%	
WK-XX-250NA-350	350 ± 0.4%	
SA-XX-250NA-120	120 ± 0.4%	
SK-XX-250NA-350	350 ± 0.4%	

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern 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.	

250TA

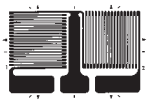


General-purpose two-element 90° tee rosette. Sections have a common electrical connection. See also 250TB pattern.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	0.425 CP	0.300 ES	0.680 CP
6.35 ES	10.80 CP	7.62 ES	17.27 CP
MATRIX SIZE	0.63L x 0.81W		16.0L x 20.6W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250TA-120	120 ± 0.2%	W, E, L, LE
WA-XX-250TA-120	120 ± 0.4%	W*
WK-XX-250TA-350	350 ± 0.4%	W*
SA-XX-250TA-120	120 ± 0.4%	
SK-XX-250TA-350	350 ± 0.4%	

250TB



General-purpose two-element 90° tee rosette. High-resistance version of 250TA 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
0.250 ES	0.425 CP	0.300 ES	0.680 CP
6.35 ES	10.80 CP	7.62 ES	17.27 CP
MATRIX SIZE	0.63L x 0.81W		16.0L x 20.6W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250TB-350	350 ± 0.2%	W, E, L, LE
EK-XX-250TB-10C	1000 ± 0.2%	W, SE
WA-XX-250TB-350	350 ± 0.4%	W*
WK-XX-250TB-10C	1000 ± 0.4%	W*
SA-XX-250TB-350	350 ± 0.4%	
SK-XX-250TB-10C	1000 ± 0.4%	

250TF

HORIZONTAL POSITION

General-purpose two-element 90° tee rosette with narrow pattern geometry. Sections have a common electrical connection. See also 250VB and 250TG patterns.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	1.000 CP	0.290 ES	0.290 CP
6.35 ES	25.40 CP	7.37 ES	7.37 CP
MATRIX SIZE	1.17L x 0.40W		29.7L x 10.2W

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250TF-120	120 ± 0.2%	L, LE
SA-XX-250TF-120	120 ± 0.4%	
SK-XX-250TF-350	350 ± 0.4%	

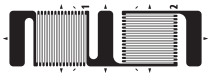
*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages - Tee Rosettes

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 inch / millimeter			

250TG

General-purpose two-element 90° tee rosette. High-resistance version of the 250TF pattern.



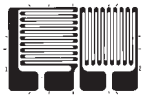
HORIZONTAL POSITION

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	1.000 CP	0.290 ES	0.290 CP
6.35 ES	25.40 CP	7.37 ES	7.37 CP
MATRIX SIZE	1.17L x 0.40W	29.7L x 10.2W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250TG-350	350 ± 0.2%	L, LE
SA-XX-250TG-350	350 ± 0.4%	
SK-XX-250TG-10C	1000 ± 0.4%	

250TM

General-purpose two-element 90° tee rosette. Sections are electrically independent. See also 250UT pattern.

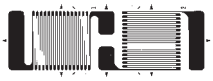


GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	0.430 CP	0.300 ES	0.670 CP
6.35 ES	10.92 CP	7.62 ES	17.02 CP
MATRIX SIZE	0.53L x 0.75W	13.5L x 19.1W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250TM-120	120 ± 0.2%	W, E, L, LE
WA-XX-250TM-120	120 ± 0.4%	W*
WK-XX-250TM-350	350 ± 0.4%	W*
EP-08-250TM-120	120 ± 0.2%	
SA-XX-250TM-120	120 ± 0.4%	
SK-XX-250TM-350	350 ± 0.4%	

250VA

General-purpose two-element 90° tee rosette. High-resistance version of the 250VB pattern.



HORIZONTAL POSITION

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	1.000 CP	0.300 ES	0.300 CP
6.35 ES	25.40 CP	7.62 ES	7.62 CP
MATRIX SIZE	1.16L x 0.42W	29.5L x 10.7W	

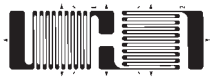
GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250VA-350	350 ± 0.2%	
EP-08-250VA-350	350 ± 0.2%	
SA-XX-250VA-350	350 ± 0.4%	
SK-XX-250VA-10C	1000 ± 0.4%	

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

General Purpose Strain Gages - Tee Rosettes

GAGE PATTERN Actual size shown. Enlarged when necessary for definition. ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix (inch / millimeter)	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

250VB



HORIZONTAL POSITION

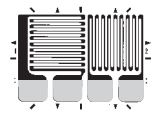
General-purpose two-element 90° tee rosette. Similar to the 250TF pattern except sections are electrically independent. See also 250TG and 250VA patterns.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	1.000 CP	0.300 ES	0.300 CP
6.35 ES	25.40 CP	7.62 ES	7.62 CP
MATRIX SIZE	1.16L x 0.42W	29.5L x 10.7W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
EA-XX-250VB-120	120 ± 0.2%	
EP-08-250VB-120	120 ± 0.2%	
SA-XX-250VB-120	120 ± 0.4%	
SK-XX-250VB-350	350 ± 0.4%	

250UT

'C' FEATURE



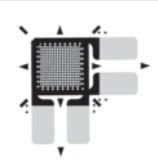
Two-element 90° tee rosette for general-purpose use. Exposed solder tab area 0.13 x 0.10 in (3.3 x 2.5 mm).

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	0.450 CP	0.290 ES	0.650 CP
6.35 ES	11.43 CP	7.37 ES	16.51 CP
MATRIX SIZE	0.55L x 0.74W	14.0L x 18.8W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
CEA-XX-250UT-120	120 ± 0.4%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available with Option P2 (preattached leadwire cables).
CEA-XX-250UT-350	350 ± 0.4%	
CEA-XX-250UT-10C	1000 ± 0.4%	

250WQ

'C' FEATURE



Two-element 90° tee stacked rosette. Maximum operating temperature + 150°F (+65°C). Exposed solder tab area is 0.11 x 0.07 in (2.8 x 1.8 mm).

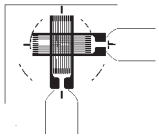
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	0.550 M	0.180 ES	0.550 M
6.35 ES	13.97 M	4.57 ES	13.97 M
MATRIX SIZE	0.55L x 0.55W	14.0L x 14.0W	

GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
CEA-XX-250WQ-350	350 ± 0.3%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid.

General Purpose Strain Gages - Tee Rosettes

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 inch / millimeter			

250WT



Two-element 90° tee stacked rosette.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.250 ES	0.51 M	0.125 ES	0.60 M
6.35 ES	13.0 M	3.18 ES	15.2 M
MATRIX SIZE	0.51L x 0.60W		13.0L x 15.2W

WA-XX-250WT-120	120 ± 0.5%	
WA-XX-250WT-350	350 ± 0.5%	
WD-DY-250WT-350	350 ± 0.5%	
WK-XX-250WT-120	120 ± 0.5%	
WK-XX-250WT-350	350 ± 0.5%	
SA-XX-250WT-120	120 ± 0.5%	
SA-XX-250WT-350	350 ± 0.5%	
SK-XX-250WT-120	120 ± 0.5%	
SK-XX-250WT-350	350 ± 0.5%	
SD-DY-250WT-350	350 ± 0.5%	

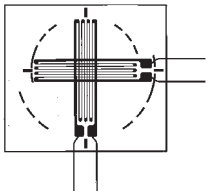
270TN

Two-element 90° tee rosette. Sections are electrically independent.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.270 S1 0.120 S2	0.450 CP	0.150 S1 0.300 S2	0.330 CP
6.86 S1 3.05 S2	11.43 CP	3.81 S1 7.62 S2	8.38 CP
MATRIX SIZE	0.53L x 0.38W		13.5L x 9.7W

EA-XX-270TN-350	350 ± 0.2%	E, L, LE
WA-XX-270TN-350	350 ± 0.4%	
WK-XX-270TN-10C	1000 ± 0.4%	
SA-XX-270TN-350	350 ± 0.4%	
SK-XX-270TN-10C	1000 ± 0.4%	
WD-DY-270TN-10C	1000 ± 1.0%	

500WT



Two-element 90° tee stacked rosette.

GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH
0.500 ES	0.76 M	0.120 ES	0.84 M
12.70 ES	19.3 M	3.05 ES	21.3 M
MATRIX SIZE	0.76L x 0.84W		19.3L x 21.3W

WA-XX-500WT-120	120 ± 0.5%	
WA-XX-500WT-350	350 ± 0.5%	
WD-DY-500WT-350	350 ± 0.5%	
WK-XX-500WT-350	350 ± 0.5%	
SA-XX-500WT-120	120 ± 0.5%	
SA-XX-500WT-350	350 ± 0.5%	
SK-XX-500WT-350	350 ± 0.5%	
SD-DY-500WT-350	350 ± 0.5%	