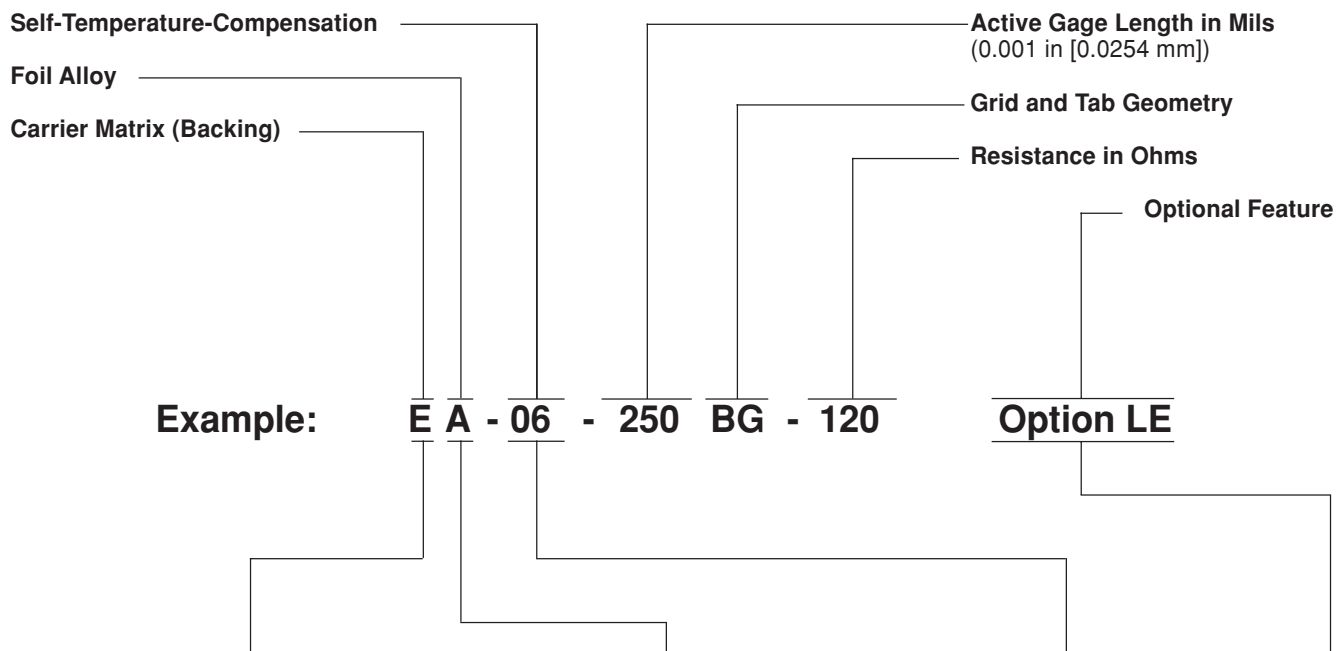


Stress Analysis Gages

The Strain Gage Designation System described below applies to Vishay Micro-Measurements General-Purpose Strain Gages.



E: Open-faced general-purpose gage with tough, flexible cast polyimide backing. Various options are available, including lead connection features and protective encapsulation.

CE: Flexible gages with a cast polyimide backing and encapsulation featuring large, rugged, copper-coated solder tabs. This construction provides optimum capability for direct leadwire attachment.

N2: The 'N2' matrix provides an open faced gage on a thin, high-performance laminated polyimide film backing.

S2: Gage grid and solder tabs fully encapsulated in a thin, flexible, laminated polyimide film. Provided with large (0.030 in [0.75mm]) solder pads for ease of leadwire attachment.

W: Provides a gage fully encapsulated in glass-fiber-reinforced epoxy-phenolic resin. High-endurance leadwires.

S: Full encapsulation identical to the W matrix, but with solder dot connections instead of leadwires.

A: Constantan alloy in self temperature-compensated form.

P: Annealed constantan. Used for high-elongation or post-yield gages.

D: Isoelastic alloy. High gage factor and high fatigue life.

K: Nickel-chromium alloy (similar to Karma) used for high-performance self-temperature-compensated gages.

The S-T-C number is the approximate thermal expansion coefficient in ppm/°F of the structural material on which the gage is to be used. The following S-T-C numbers are available:

A alloy: 00, 03, 05, 06, 09, 13, 15, 18

P alloy: 08

K alloy: 00, 03, 05, 06, 09, 13, 15

For S-T-C's of 30, 40, or 50, refer to high S-T-C patterns.

The D alloy is not available in self-temperature-compensated form. 'DY' is used instead.

STANDARD OPTIONAL FEATURES

Most of the following options apply to the EA- or ED-Series gages as indicated in the General-Purpose Listings:

W: Integral printed circuit terminal, polyimide encapsulation

E: Polyimide encapsulation, leaving a portion of solder tab exposed

SE: Solder dots plus polyimide encapsulation

L: Preattached, soft, formable copper leads

LE: Leads plus polyimide encapsulation

P: Preattached leadwire cables and encapsulation

P2: Preattached leadwire cables for CEA-Series gages

Please refer to the Optional Features data sheet for technical details on these and other available optional features.