

Strain Gages for Automated Handling and Assembly

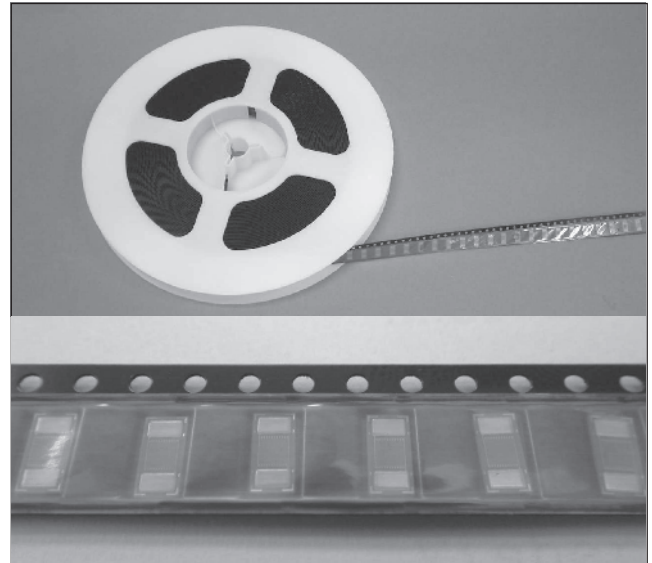
FEATURES

- Tape-and-reel packaging
- Standard chip sizes
- Stiff construction
- High strain sensitivity
- Constantan foil
- Quarter-, half- and full-bridge patterns
- 350 ohm grids
- Encapsulated grids
- Optional integral solder pillows
- Low cost

DESCRIPTION

Vishay Micro-Measurements strain gages for automated handling and assembly are an ideal solution for high-volume applications requiring measurements of moderate accuracy. Like most Vishay Micro-Measurements gages, they consist of an etched strain-sensing element of Constantan foil in quarter-, half- and full-bridge patterns. However, a stiffer carrier/matrix promotes ease of handling. These economical sensors, available in standard chip sizes, can be supplied in tape-and-reel packaging for automated pick-and-place bonding. These labor-saving features are further enhanced by protective coating over the grids and optional integral solder pillows on the solder tabs for ease of electrical leads attachment.

Contact the Transducer Applications Department of Vishay Micro-Measurements for complete details about a custom sensor for your particular application.



SPECIFICATIONS

Foil: Constantan

Gage Factor: 2.0 (nominal)

STC: 06 and 13 (nominal)

Carrier/Matrix: Reinforced epoxy

Encapsulation: Epoxy

Grid Resistance: 350 ohms, $\pm 1\%$

Grids Geometries: Custom designs for quarter-, half- and full bridges

Solder Tabs: Integral with optional solder pillows

Packaging: Tape and reel



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