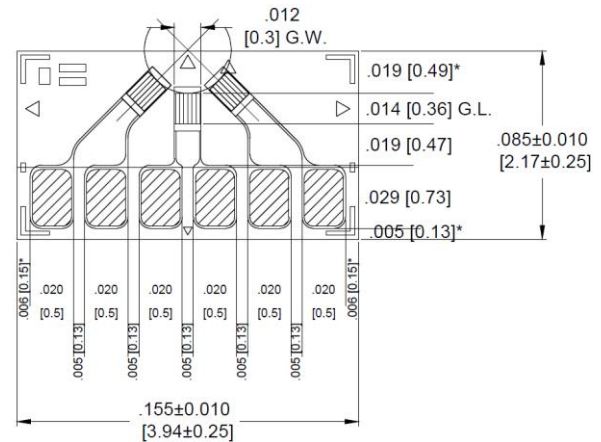


Main properties

- High performance Planar Rosette Strain Gage with miniature grids and matrix size, for stress determination in precise locations
- High resistance grid values for reduced self-heating when using substrates with lower heat conductivity such as PCBs
- 3 grids configuration allowing analysis of biaxial strain fields without the need for former knowledge of principal stress directions
- Pre-wired, high performance, color coded wires for easy integration directly to data acquisition systems



Item	Value	
Resistance	350±0.5%	
Gage Factor	(-45°) Grid 1	1.86 Nom
	(0°) Grid 2	1.79 Nom
	(+45°) Grid 3	1.86 Nom
Transverse Sensitivity	(-45°) Grid 1	1.9±0.2%
	(0°) Grid 2	3.6±0.2%
	(+45°) Grid 3	1.9±0.2%
Operating Temperature	-75 to 200°C	
Fatigue	More than 10 ⁷ cycles at ±1800µε	
Structure	Backing	Polyimide, 20µm
	Resistive Foil	NiCr
	Encapsulation	Epoxy, 10-12µm
Thermal performance coefficients on package, per gage lot		

*Values above referenced to gage only

** GF and TS values for K93 ingot, for other ingots slight variations are possible, indicated on package

Wires

- Teflon insulated, flexible, 3 twisted wires per grid. Stripped and tinned at ends for easy integration to DAQ. Operating temperature up to 200 °C
- Color coding:

(-45°) Grid 1		(0°) Grid 2		(+45°) grid 3	
Pad A	Pad B	Pad A	Pad B	Pad A	Pad B
Black+white wire	Red Wire	Black+white wire	Red Wire	Black+white wire	Red Wire
Red label at wire end		Green label at wire end		Blue label at wire end	

Complies to

- IPC-JEDEC 9702 Monotonic Bend Characteristics of Board-Level Interconnects
- IPC-JEDEC 9704 Printed Wiring Board Strain Gage Test Guideline
- JEDEC JESD22-B111 Board Level Drop Test Method of Components for Handheld Electronic Products

For technical questions, contact mm@vpgsensors.com