



G Series

For transducer manufacturers

Special features

- Extended temperature range (-200 ... +200°C)
- With Nickel-plated copper lead

Specifications

SG construction	Foil strain gauge
Carrier	Glass fiber reinforced phenolic (35 ±10) µm
Grid foil	Constantan (3.8 or 5 µm, depend on type)
Encapsulation	Glass fiber reinforced phenolic (25 ±5) µm
Connections	Nickel-plated copper leads (0.2 or 0.3 x 0.06 x 30 mm, depend on type)
Resistance	350 ... 1,000 Ohm (depended on design)
Resistance tolerance	±0.35%
Gage factor	Approx. 2
Gage factor tolerance	±1.5% for grid length <3 mm ±0.7% for grid length ≥3 mm
Reference temperature	23 °C
Operating temperature range static	-70 °C ... 200 °C
Operating temperature range dynamic	-200 °C ... 200 °C
Temperature response α for ferritic steel (1) α for aluminum (3)	10.8 ppm/K (6.0 ppm/°F) 23 ppm/K (12.8 ppm/°F)
Temperature response tolerance	± 0.3 ppm/K
Fatigue life¹⁾	>10 ⁷ cycles at 1,200 µm/m
Maximum elongation Positive direction Negative direction	20,000 µm/m (1%) 50,000 µm/m (3.5%)
Min. bending radius	3 mm
Recommended adhesive	EP310N or P250
Option "Stick-On"	Pre-coated adhesive layer on request (P250)

¹⁾ Maximum zero point drift ±30 µm/m

Subject to modifications.

All product descriptions are for general information only. They are not to be understood as a guarantee of quality or durability.

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