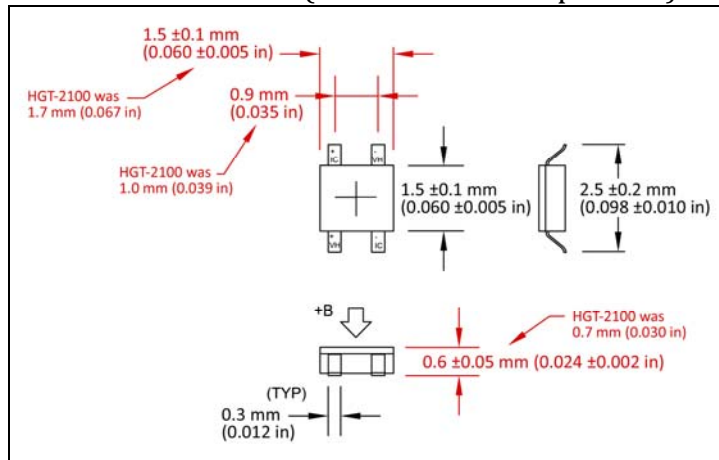


Model HGT-2101 Magnetic Field Sensor Replaces Model HGT-2100 after July 2007

New Specifications

| | |
|---|---|
| Active area | 0.127 mm × 0.127 mm square |
| Input resistance | 450 to 900 Ω |
| Output resistance | 600 to 2000 Ω <i>(was 550 to 1350 Ω)</i> |
| Nominal control current | 1 mA |
| Maximum continuous current | 10 mA (in 25 °C static air) |
| Magnetic sensitivity (I _C = 1 mA) | 11 to 28 mV/kG |
| Linearity error (sens. vs. field, load = open circuit) | 2% to 1 T <i>(was 1% to 1 T, 2% to 2 T)</i> |
| Zero field offset (I _C = 1 mA) | ±2.8 mV maximum |
| Operating temperature | -55 °C to +125 °C |
| Temperature coefficient of sensitivity | -0.06% rdg/°C |
| Temperature coefficient of offset (I _C = 1 mA) | ±6 μV/°C <i>(was ±1 μV/°C)</i> |
| Temperature coefficient of resistance | +0.3%/°C <i>(was +0.15%/°C)</i> |

New Dimensions (all in mm unless specified)



Mounting Pad Size and Location

