



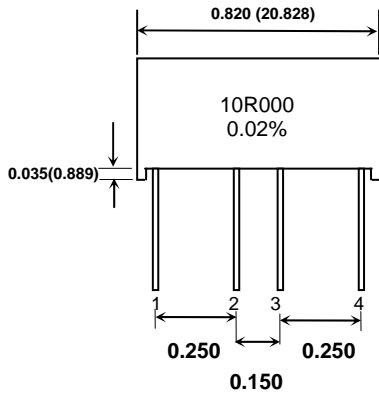
TXCS/TXCSP/TXCA/TXCAP

Current Sensing Resistor/Power Current Sensing Resistor

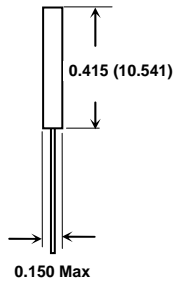
FEATURES

- Temperature Coefficient of Resistance: ± 2 ppm/°C (-55°C to 125°C, 25°C as reference).
- Power Rating:
 - TXCS / TXCA: 1.5 Watts at +70°C
 - TXCSP / TXCAP: 5.0 Watts at 25°C on Heat Sink
- Maximum Working Voltage: 300V
- Load Life Stability: $\pm 0.05\%$ at +70°C, 2000 hours
- Operating temperature: -55°C to 150°C
- Resistance Range: 1Ω to 80KΩ
- Thermal EMF: 0.1 μV / °C Maximum; 0.05 μV / °C Typical; 1 μV / Watt
- Rise/Decay Time: 1.0 Nanosecond

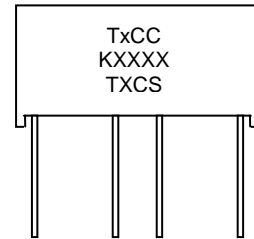
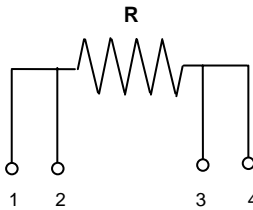
| | Model | Max Voltage | Power Rating | Tolerances Available | TCR Limit |
|--|--|-------------|--|--|-------------------------------|
| | TXCS TXCSP TXCA TXCAP | 300 | <u>TXCS / TXCA</u> 1.5 Watts at +70°C 0.50 Watts at +125°C <u>TXCSP / TXCAP</u> 5.0 Watts at 25°C on Heat Sink | 0.005% 100Ω to 80KΩ 0.01% 25Ω to 80KΩ 0.02% 10Ω to 80KΩ 0.05% 5Ω to 80KΩ 0.1% 2Ω to 80KΩ 1.0% 1Ω to 80KΩ | 5 5 5 10 10 10 |



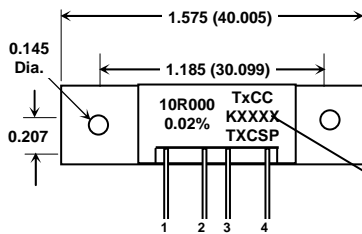
FRONT VIEW



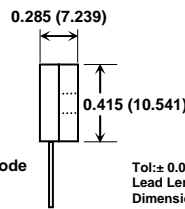
TXCS



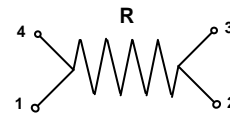
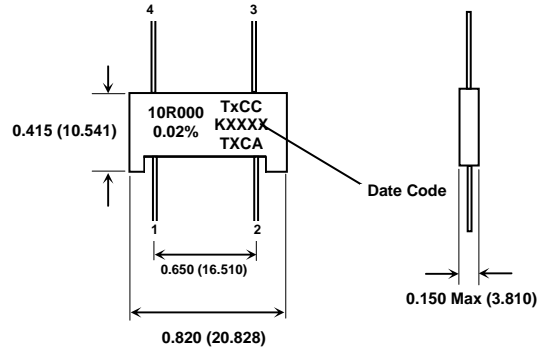
REAR VIEW



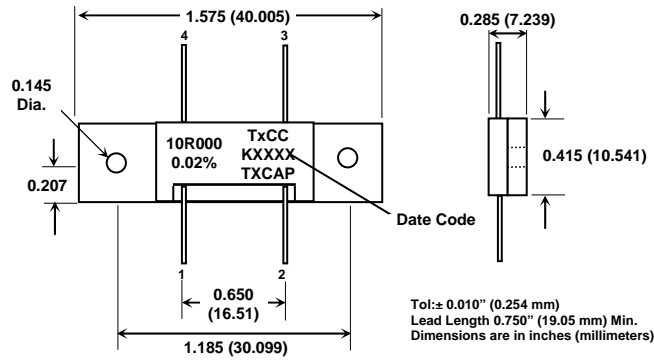
TXCSP



Tol: $\pm 0.010"$ (0.254 mm)
 Lead Length 0.750" (19.05 mm) Min.
 Dimensions are in inches (millimeters)



TXCA



TXCAP

