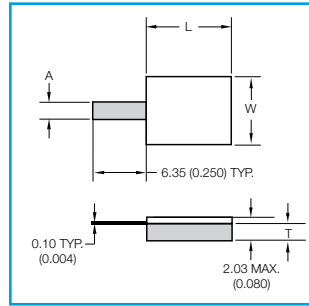


Leaded Chip Terminations

LT1 Style

GENERAL SPECIFICATIONS

- **Nominal Impedance:** 50 Ω
- **Resistive Tolerance:** ±5% standard, ±2% available
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:** ±150 ppm/°C
- **Resistive Elements:** Tantalum, Thin Film Processed
- **Substrate Material:** Aluminum Nitride
- **Terminals:** Silver over Nickel
- **Lead-Free, RoHS Compliant**
- **Reliability:** MIL-PRF-55342

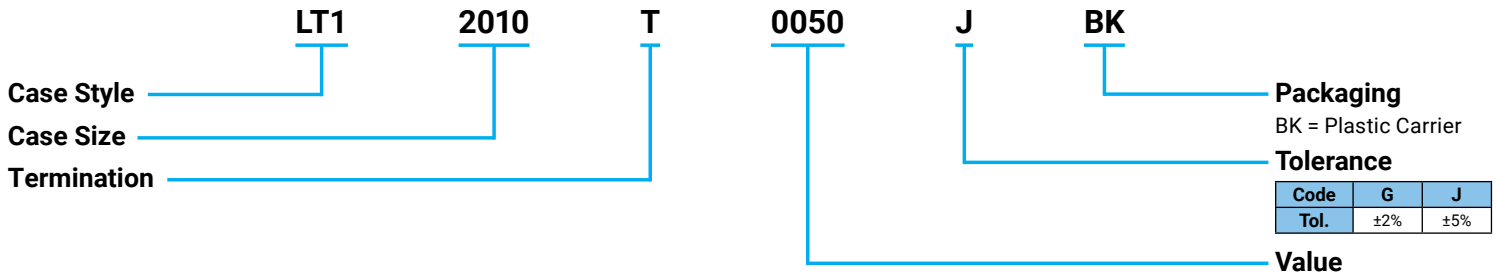


Values in Inches

| Part Number | W ±.010 | L ±.010 | T ±.005 | A ±.005 | Frequency (GHz) | VSWR (Typ.) | Power Max* (Watts) |
|-----------------|---------|---------|---------|---------|-----------------|-------------|--------------------|
| LT11020T0050J | 0.200 | 0.100 | 0.025 | 0.040 | DC to 18.0 | 1.25:1 | 20W |
| LT12010T0050J | 0.100 | 0.200 | 0.040 | 0.040 | DC to 4.0 | 1.20:1 | 30W |
| LT12525T0050J | 0.245 | 0.245 | 0.040 | 0.040 | DC to 4.0 | 1.15:1 | 60W |
| LT12525T0050J01 | 0.245 | 0.245 | 0.040 | 0.040 | DC to 2.5 | 1.15:1 | 100W |
| LT12525T0050J02 | 0.245 | 0.245 | 0.040 | 0.040 | DC to 4.0 | 1.20:1 | 100W |
| LT12335T0050J | 0.350 | 0.230 | 0.040 | 0.040 | DC to 4.0 | 1.15:1 | 100W |
| LT13725T0050J | 0.250 | 0.375 | 0.040 | 0.040 | DC to 4.0 | 1.20:1 | 125W |
| LT13725T0050J01 | 0.250 | 0.375 | 0.040 | 0.040 | DC to 1.1 | 1.20:1 | 150W |
| LT13725T0050J02 | 0.250 | 0.375 | 0.040 | 0.040 | DC to 4.0 | 1.25:1 | 150W |
| LT13725T0050J03 | 0.250 | 0.375 | 0.040 | 0.120 | DC to 4.0 | 1.25:1 | 150W |
| LT13737T0050J | 0.370 | 0.370 | 0.040 | 0.040 | DC to 2.0 | 1.25:1 | 200W |
| LT13737T0050J01 | 0.370 | 0.370 | 0.040 | 0.040 | DC to 1.0 | 1.20:1 | 250W |
| LT13737T0050J02 | 0.370 | 0.370 | 0.040 | 0.040 | DC to 2.0 | 1.25:1 | 250W |
| LT13737T0050J03 | 0.370 | 0.370 | 0.040 | 0.120 | DC to 2.0 | 1.25:1 | 250W |

* Test Condition: Chip soldered to a large copper carrier whose surface is at 100°C; maximum rated power applied.
 Specification: The resistance of the film shall change no more than <2% during and after a 1000-hr. Burn-in per MIL-PRF-55342.

HOW TO ORDER



POWER DERATING

