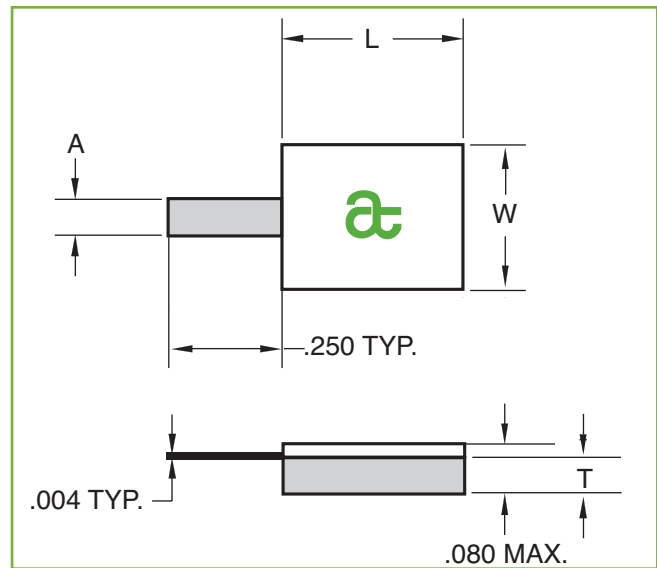


Leaded Chip Terminations

Style LT

General Specifications

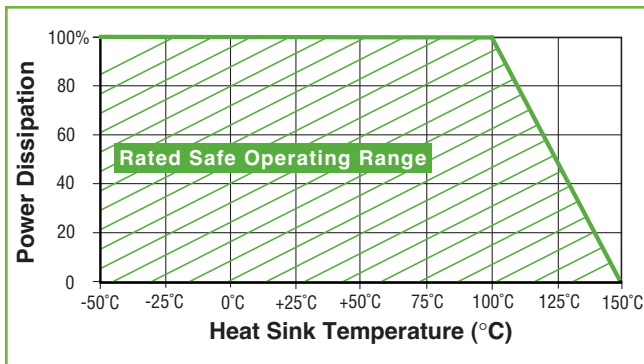
- **Nominal Impedance:** 50 Ω
- **Resistive Tolerance:** $\pm 5\%$ standard, $\pm 2\%$ available
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:** ± 150 ppm/°C
- **Resistive Elements:** Tantalum, Thin Film Processed
- **Substrate Material:** Aluminum Nitride
- **Terminals:** Silver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



ATC Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	A $\pm .005$	Frequency (GHz)	VSWR (Typ.)	Power Max* (Watts)
LT11020T0050J	.200	.100	.025	.040	DC to 18.0	1.25:1	20W
LT12010T0050J	.100	.200	.040	.040	DC to 4.0	1.20:1	30W
LT12525T0050J	.245	.245	.040	.040	DC to 4.0	1.15:1	60W
LT12525T0050J01	.245	.245	.040	.040	DC to 2.5	1.15:1	100W
LT12525T0050J02	.245	.245	.040	.040	DC to 4.0	1.20:1	100W
LT12335T0050J	.350	.230	.040	.040	DC to 4.0	1.15:1	100W
LT13725T0050J	.250	.375	.040	.040	DC to 4.0	1.20:1	125W
LT13725T0050J01	.250	.375	.040	.040	DC to 1.1	1.20:1	150W
LT13725T0050J02	.250	.375	.040	.040	DC to 4.0	1.25:1	150W
LT13725T0050J03	.250	.375	.040	.120	DC to 4.0	1.25:1	150W
LT13737T0050J	.370	.370	.040	.040	DC to 2.0	1.25:1	200W
LT13737T0050J01	.370	.370	.040	.040	DC to 1.0	1.20:1	250W
LT13737T0050J02	.370	.370	.040	.040	DC to 2.0	1.25:1	250W
LT13737T0050J03	.370	.370	.040	.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.

Power Derating



ATC Part Number Code

LT1 2010 T 0050 J BK

Case Style: LT1
 Case Size: 2010
 Termination: T
 Value: 0050
 Tolerance: J
 Packaging: BK - Plastic Carrier

Resistive Tolerances		
Code	G (%)	J (%)
Tol.	± 2	± 5

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