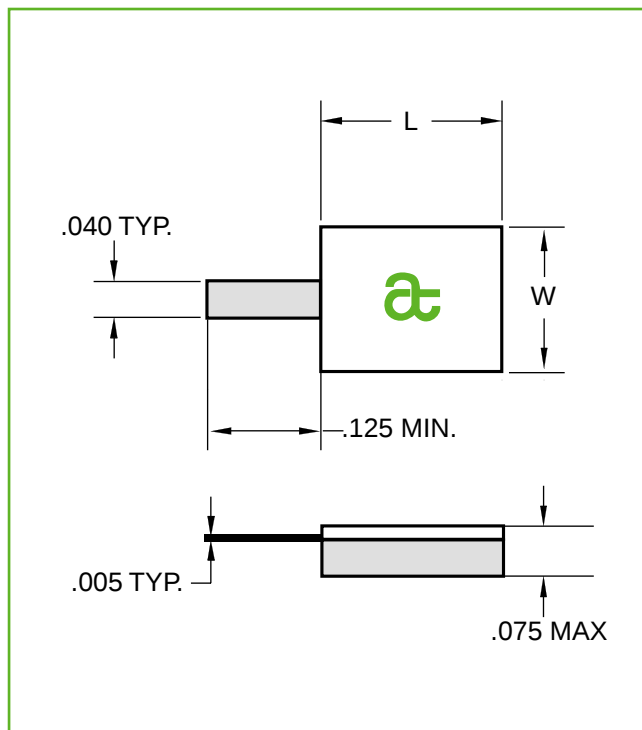


Leaded Chip Terminations Style LT

General Specifications

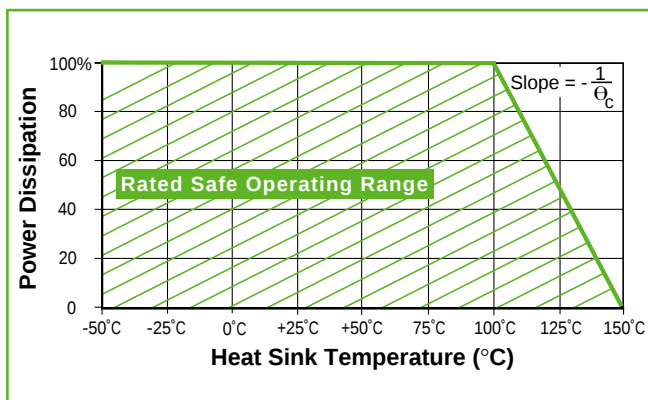
- **Nominal Impedance:** 50 Ω
- **Resistive Tolerance:** $\pm 5\%$ Standard (2% Available).
- **Operating Temp. Range:** -55°C to $+150^{\circ}\text{C}$
- **Temperature Coefficient:** ± 150 ppm/ $^{\circ}\text{C}$
- **Mechanical Tolerance:** $\pm .010$ inches (unless otherwise specified)
- **Resistive Elements:** Proprietary film.
- **Substrate Material:** Aluminum Nitride.
- **Lead Terminals:** 100% Silver
- **Cover:** Alumina
- **Reliability:** MIL-PRF-55342



ATC Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	Frequency Range (GHz)	VSWR (Max)	Power Max* (Watts)
LT12010T0050J	.100	.200	.040	DC - 6.0	1.25:1	30
LT12525T0050J	.245	.245	.040	DC - 2.5	1.15:1	60
LT12335T0050J	.350	.230	.040	DC - 4.0	1.15:1	50
LT13725T0050J	.250	.375	.040	DC - 1.1	1.20:1	150
LT13737T0050J	.370	.370	.040	DC - 1.0	1.30:1	225

* 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 0.5% during and after a 1000-hr. Burn-in per MIL-PRF-55342

Power Derating



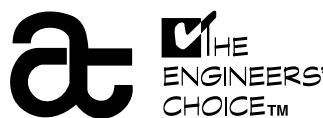
ATC Part Number Code

LT1	2010	T	0100	J	BK
Case Style	Case Size	Termination			Packaging BK - Bulk
					Tolerance See table below.
					Value
Resistive Tolerances					
Code	G (%)	J (%)			
Tol.	± 2	± 5			

ATC has made every effort to have this information as accurate as possible. However, no responsibility is assumed by ATC for its use, nor for any infringements of rights of third parties which may result from its use. ATC reserves the right to revise the content or modify its product line without prior notice.

© 2003 American Technical Ceramics

ATC 001-975 Rev. A; 1/03



AMERICAN TECHNICAL CERAMICS
COMPONENT AND CUSTOM INTEGRATED PACKAGING SOLUTIONS
FOR RF, MICROWAVE AND TELECOMMUNICATIONS

www.atceramics.com

ATC North America
631-622-4700
sales@atceramics.com

ATC Europe
+46 8 6800410
sales@atceramics-europe.com

ATC Asia
86-755-8399-5205
sli@atceramics-asia.com