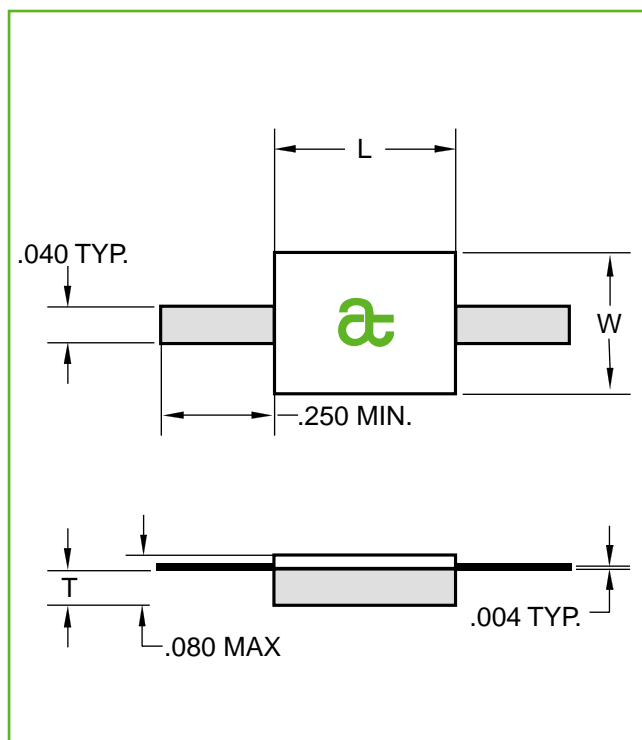


Leaded Chip Resistors

Style LR

General Specifications

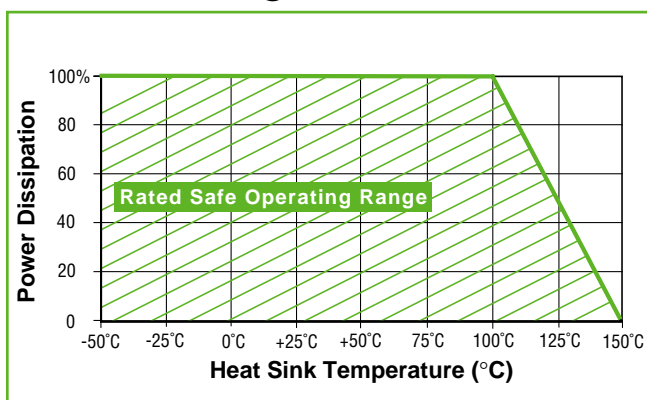
- **Resistance:** 100 Ω standard.
(10 to 200 Ω available.)
- **Resistive Tolerance:** $\pm 5\%$ Standard
(2% Available).
- **Operating Temp. Range:** -55°C to $+150^{\circ}\text{C}$
- **Temperature Coefficient:** <150 ppm/ $^{\circ}\text{C}$
- **Resistive Elements:** Proprietary film.
- **Substrate Material:** Aluminum Nitride.
- **Lead Terminals:** Silver
- **Cover:** Alumina
- **Reliability:** MIL-PRF-55342



ATC Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	Capacitance (pF)	Power Max* (Watts)
LR12010T0100J	.100	.200	.040	1.0	30
LR12525T0100J	.245	.245	.040	2.0	60
LR13725T0100J	.250	.375	.040	4.15	150
LR13737T0100J	.370	.370	.040	6.0	250

* 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

LR1	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 001-974 Rev. D; 4/04



WWW.ATCERAMICS.COM

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

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

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

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