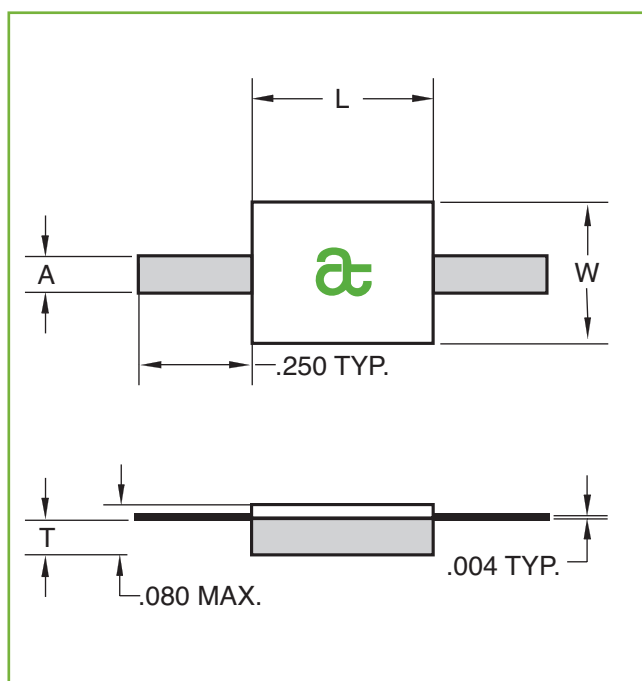


Leaded Chip Resistors

Style LR

General Specifications

- **Resistance:** 100 Ω standard, (other Ω values 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 Thin Film
- **Substrate Material:** Aluminum Nitride
- **Lead Terminals:** Silver
- **Cover:** Alumina
- **Lead-Free, RoHS Compliant**
- **Reliability:** MIL-PRF-55342
- **Non-Magnetic**



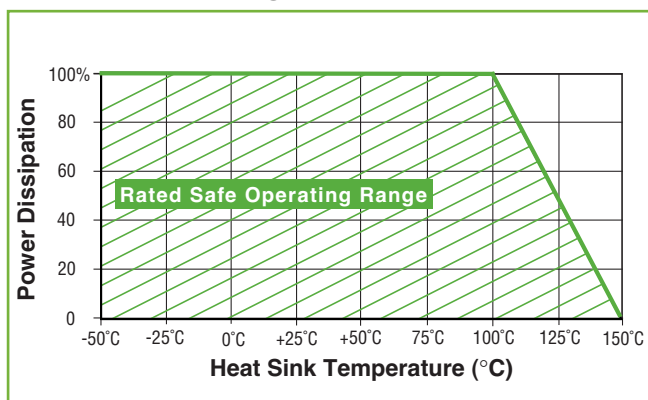
ATC Part Number*	W $\pm .010$	L $\pm .010$	T $\pm .005$	A	Capacitance (pF)	Power Max** (Watts)
LR12010TxxxxJ	.100	.200	.040	.040	1.0	30W
LR12335TxxxxJ	.350	.230	.040	.040	3.15	50W
LR12525TxxxxJ	.245	.245	.040	.040	2.0	60W
LR12335TxxxxJ01	.350	.230	.040	.040	3.15	100W
LR13725TxxxxJ	.250	.375	.040	.040	4.15	150W
LR13725TxxxxJ01	.250	.375	.040	.120	4.15	150W
LR13737TxxxxJ	.370	.370	.040	.040	6.0	250W
LR13737TxxxxJ01	.370	.370	.040	.120	6.0	250W

* xxxx denotes Ohm value.

** 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	xxxx	J	BK										
Case Style							Packaging TR - Tape & Reel BK - Plastic Carrier Tolerance See table below. Value									
Case Size																
Termination																
<table><tr><th colspan="3">Resistive Tolerances</th></tr><tr><th>Code</th><th>G (%)</th><th>J (%)</th></tr><tr><td>Tol.</td><td>± 2</td><td>± 5</td></tr></table>								Resistive Tolerances			Code	G (%)	J (%)	Tol.	± 2	± 5
Resistive Tolerances																
Code	G (%)	J (%)														
Tol.	± 2	± 5														

Sales of ATC products are subject to the terms and conditions contained in American Technical Ceramics Corp. Terms and Conditions of Sale (ATC document #001-992 Rev. B; 12/05). Copies of these terms and conditions will be provided upon request. They may also be viewed on ATC's website at www.atceramics.com/productfinder/default.asp. Click on the link for Terms and Conditions of Sale. 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 without prior notice.

© 2003 American Technical Ceramics Corp. All Rights Reserved.

Excerpt from ATC # 001-944; Rev. 0, 12/10

A M E R I C A N T E C H N I C A L C E R A M I C S

ATC North America
 +1-631-622-4700 • sales@atceramics.com

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

ATC Asia
 +86-755-2396-8759 • sales@atceramics-asia.com

w w w . a t c e r a m i c s . c o m