Resistors

SIL Resistor Network

Electronics

L Series

- Thick Film
- Low Profile SIP
- **Conformal Coated**
- **Resistor Networks**
- **RoHS Compliant**





All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

Electrical

Standard Resistance Range, Ohms	1%: 22R - 1M; 2%:10R - 5M6; 5%: 10R - 10M
Standard Resistance Tolerance, at 25°C	±2% Optional: ±1% (F Tol.), ±5% (J Tol.)
Operating Temperature Range	-55°C to +125°C
Temperature Coefficient of Resistance	±100ppm/°C (<50 Ohms = ±250ppm/°C)
Temperature Coefficient of Resistance, Tracking	±50ppm/°C
Maximum Operating Voltage	100Vdc or vPR
Insulation Resistance	≥10,000 Megohms

Environmental

Thermal Shock plus Power Conditioning	ΔR 0.70%
Short Time Overload	ΔR 0.25%
Terminal Strength	ΔR 0.25%
Moisture Resistance	ΔR 0.50%
Mechanical Shock	ΔR 0.25%
Vibration	ΔR 0.25%
Low Temperature Storage	ΔR 0.25%
High Temperature Exposure	ΔR 0.50%
Load Life, 1,000 Hours	ΔR 1.00%
Resistance to Solder Heat (Per MIL-STD-202, Method 210, Cond.B)	ΔR 0.25%
Dielectric Withstand Voltage	200V for 1 minute
Marking Permanency	MIL-STD 202, Method 215
Lead Solderability	MIL-STD 202, Method 208
Flammability	UL-94V-O Rated
Storage Temperature Range	-55°C to +150°C

Specifications subject to change without notice.





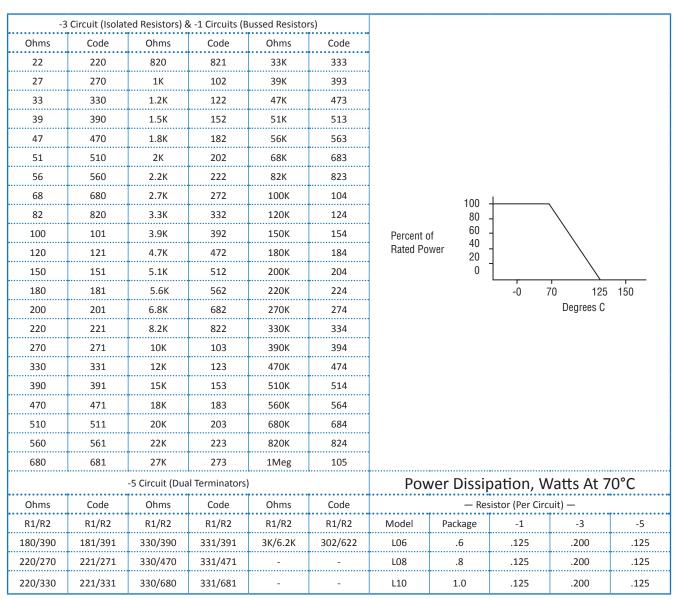


Mechanical

Lead Finish	SnAgCu
Substrate Material	Alumina
Resistor Material	Cermet
Body Material	Conformal Epoxy Resin, red or black

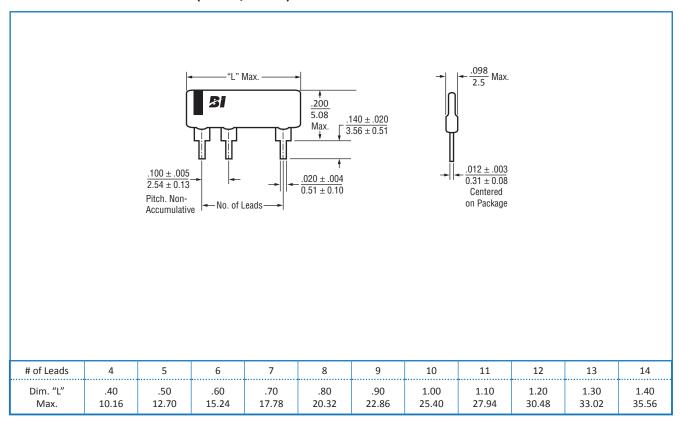
Standard Resistance Values, Ohms

Power Derating Curve

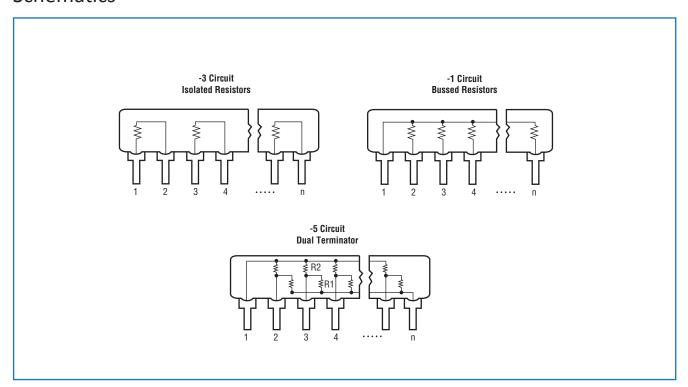




Outline Dimensions (Inch/mm)



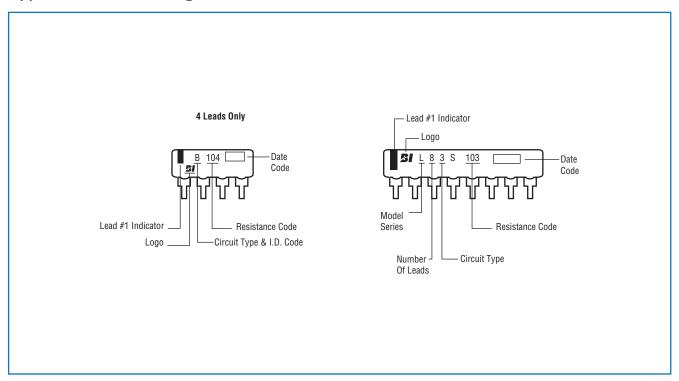
Schematics



General Note



Typical Part Marking

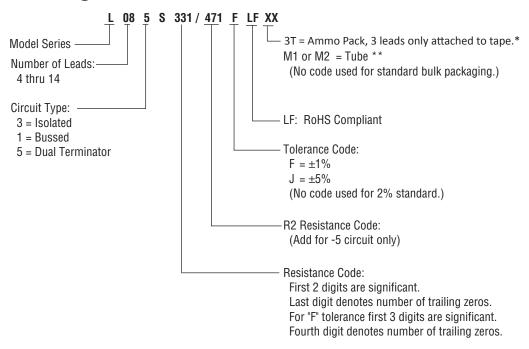


Packaging

Standard:	Bulk:	Quantity	=	4 -10 pins: 200 per bag, 1000 per box 11 -14 pins: 100 per bag, 500 per box
	Tape in Ammo Box (4 - 10 pins only). All Units oriented with lead #1 to the left of direction of feed.			
Option: Tape:	Width	=	18mm	
	таре:	Pitch	=	12.7mm
	Ammo Box:	Capacity	=	1,000 units per box. 12,000 units per carton



Ordering Information



- * Refer to Packaging for Automation section (Page A-3) for Ammo Pack capacity and dimensions.
- ** Refer to Packaging for Automation section (Page A-4) for M1 and M2 tube capacity and dimensions.

Applicable Documents

MIL-R-83401 — Resistor Networks, Fixed, Film, General Specifications
MIL-STD-105 — Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-202 — Test Methods for Electronic and Electrical Component Parts

Mouser Electronics

Authorized Distributor

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TT Electronics:

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L101S332 L061S101LF L061S102LF L061S103LF L061S103LF L061S104LF L061S121LF L061S152LF L061S153LF L061S151LF L061S151LF L061S22LF L061S23LF L061S23LF L061S27LF L061S27LF L061S23LF L061S23LF L061S23LF L061S23LF L061S23LF L061S23LF L061S23LF L061S23LF L061S23LF L061S331LF L061S331LF L063S3104LF L063S102LF L063S103LF L063S103LF L063S103LF L063S103LF L063S22LF L063S203LF L063S221LF L063S222LF L063S223LF L063S224LF L063S271LF L063S272LF L063S273LF L063S332LF L063S333LF L063S390LF L063S392LF L063S393LF L063S470LF L063S471LF L063S472LF L063S473LF L063S822LF L065S302/622LF L091S222LF L091S331LF L091S471LF L091S472LF L091S473LF L091S474LF L101S101LF L101S102LF L101S103LF L101S104LF L101S105LF L101S121LF L101S151LF L101S152LF L101S153LF L101S24LF L101S271LF L101S272LF L101S273LF L101S273LF L101S231LF L101S271LF L101S272LF L101S273LF L101S392LF L101S471LF L101S472LF L101S473LF L101S474LF L101S473LF L101S474LF L101S561LF L101S562LF L101S681LF L101S682LF L101S821LF L103S101LF L103S102LF L103S103LF L103S103LF L103S103LF L103S103LF L103S105LF L103S122LF L103S122LF L103S122LF L103S122LF L103S123LF L103S151LF L103S152LF L103S203LF L103S203LF L103S105LF L103S122LF L103S122LF L103S122LF L103S105LF L103S105LF L103S122LF L103S122LF L103S123LF L103S151LF L103S152LF L103S203LF
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