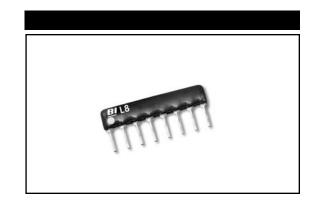
# **MODEL L SERIES**

Thick Film Low Profile SIP Conformal Coated Resistor Networks RoHS Compliant



# ELECTRICAL

Standard Resistance Range, Ohms	22 to 1Meg
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 (<100 Ohms = ±250ppm/°C)
Temperature Coefficient of Resistance, Tracking	±50ppm/°C
Maximum Operating Voltage	100Vdc or √PR
Insulation Resistance	≥10,000 Megohms

#### **ENVIRONMENTAL**

Thermal Shock plus Power Conditioning	∆R 0.70%
Short Time Overload	ΔR 0.25%
Terminal Strength	∆R 0.25%
Moisture Resistance	ΔR 0.50%
Mechanical Shock	ΔR 0.25%
Vibration	∆R 0.25%
Low Temperature Storage	∆R 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)	∆R 0.25%
Dielectric Withstanding Voltage	200V for 1 minute
Marking Permanency	MIL-STD 202, Method 215
Lead Solderability	MIL-STD 202, Method 208
Flammability	UL-94V-0 Rated
Storage Temperature Range	-55°C to +150°C

Specifications subject to change without notice.



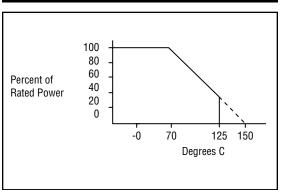
### MECHANICAL

Lead Finish	Tin
Substrate Material	Alumina
Resistor Material	Cermet
Body Material	Conformal Epoxy Resin

#### STANDARD RESISTANCE VALUES, OHMS

-3 Circuit (Isolated Resistors) & -1 Circuits (Bussed Resistors)						
Ohms	Code	Ohms Code Ohm		Ohms	Code	
22	220	820	821	33K	333	
27	270	1K	102	39K	393	
33	330	1.2K	122	47K	473	
39	390	1.5K	152	51K	513	
47	470	1.8K	182	56K	563	
51	510	2K	202	68K	683	
56	560	2.2K	222	82K	823	
68	680	2.7K	272	100K	104	
82	820	3.3K	332	120K	124	
100	101	3.9K	392	150K	154	
120	121	4.7K	472	180K	184	
150	151	5.1K	512	200K	204	
180	181	5.6K	562	220K	224	
200	201	6.8K	682	270K	274	
220	221	8.2K	822	330K	334	
270	271	10K	103	390K	394	
330	331	12K	123	470K	474	
390	391	15K	153	510K	514	
470	471	18K	183	560K	564	
510	511	20K	203	680K	684	
560	561	22K	223	820K 824		
680	681	27K	273	1Meg	105	
-5 Circuit (Dual Terminators)						
Ohms	Code	Ohms	Code	Ohms	Code	
R1/R2	R1/R2	R1/R2	R1/R2	R1/R2	R1/R2	
180/390	181/391	330/390	331/391	3K/6.2K	302/622	
220/270	221/271	330/470	331/471			
220/330	221/331	330/680	331/681			

# POWER DERATING CURVE

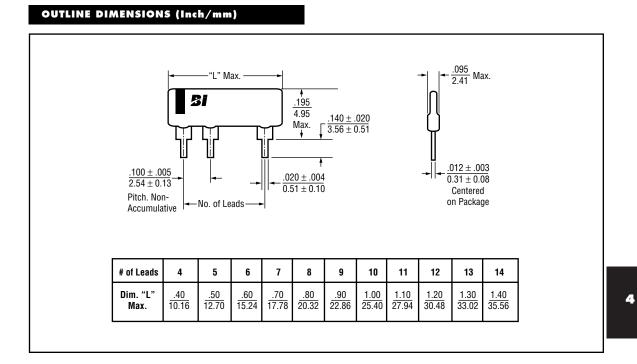


# POWER DISSIPATION, WATTS AT 70°C

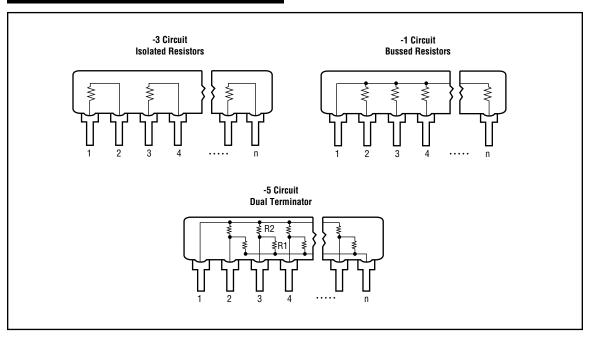
		— Resiste	or (Per Ci	rcuit) —
Model	Package	-1	-3	-5
L06	.6	.125	.200	.125
L08	.8	.125	.200	.125
L10	1.0	.125	.200	.125

**F** Bi technologies

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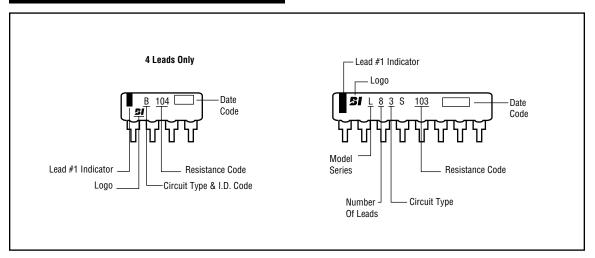
# SCHEMATICS



**F** Bi technologies

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#### TYPICAL PART MARKING

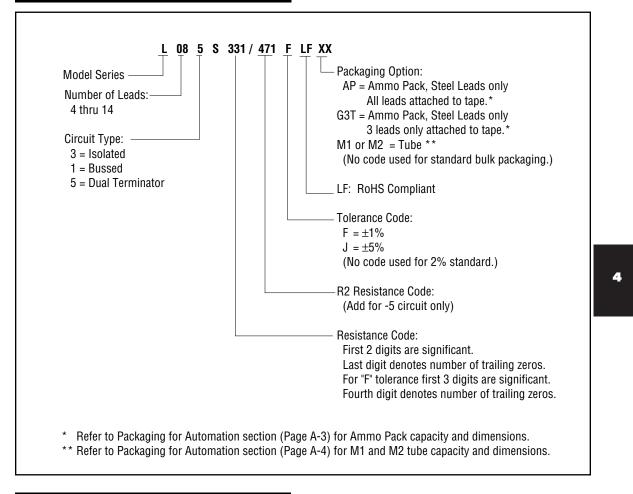


### PACKAGING

Standard:	Bulk: Quantity	1	=	500 (Europe) 200 Units (USA/Asia)
Option:	Tape in Ammo E All Units orio			· · · · · ·
	Tape:	Width	=	18mm
		Pitch	=	12.7mm
	Ammo Box:	Capacity	=	1,000 Units
Option:	Magazine			
	Dimensions	conform to	EIA &	JEDEC standards.
	All Units ori	ented with le	ead #1	to the same side.
	Magazine:	Material	=	Antistatic Plastic



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#### 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		

