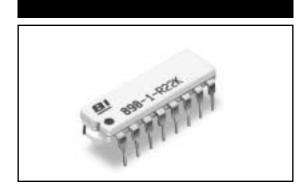
MODELS 898, 899

Dual-In-Line Thick Film Resistor Networks



ELECTRICAL

Standard Resistance Range, Ohms *	10 to 10Meg
Standard Resistance Tolerance, at 25°C	±2% (<33 Ohms = ±2 Ohms)
	Optional: ±1% (F 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 (PER MIL-R-83401)

Thermal Shock plus Power Conditioning	ΔR 0.70%
Short Time Overload	ΔR 0.50%
Terminal Strength	ΔR 0.25%
Moisture Resistance	ΔR 0.50%
Mechanical Shock	ΔR 0.25%
Vibration	∆R 0.25%
Low Temperature Storage	ΔR 0.25%
High Temperature Exposure	∆R 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 Withstanding Voltage	200V rms for 1 minute
Temperature Exposure, Maximum	215°C for 3 minutes
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 +125°C
* Dlue "O Ohm" jumper	

* Plus "0 Ohm" jumper

Specifications subject to change without notice.

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MECHANICAL

Lead Material	Copper Alloy, 60/40 Tin-Lead (Plating)
Substrate Material	Alumina
Resistor Material	Cermet

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

STANDARD RESISTANCE VALUES, OHMS

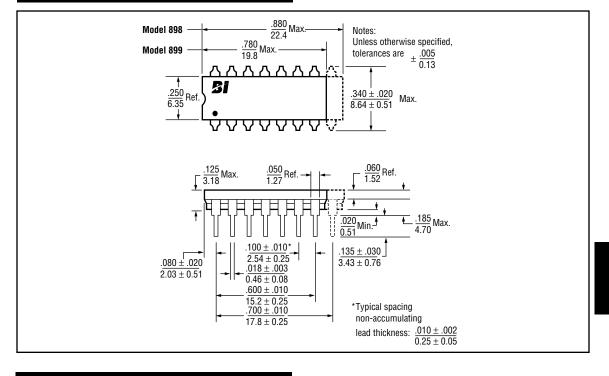
-3 Circuit (Isola	ted Resistors) &	& -1 Circuits (Bu	ssed Resistors)	
22	390	5.6K	100K	
27	470	6.8K	120K	
33	510	8.2K	150K	
39	560	10K	180K	
47	680	12K	200K	
51	820	15K	220K	
56	1K	18K	270K	
68	1.2K	20K	330K	
82	1.5K	22K	390K	
100	1.8K	27K	470K	
120	2K	33K	510K	
150	2.2K	39K	560K	
180	2.7K	47K	680K	
200	3.3K	51K	820K	
220	3.9K	56K	1Meg	
270	4.7K	68K		
330	5.1K	82K		
-5 Circuit (Dual Terminators)				
R1/R2	R1/R2	R1/R2	R1/R2	
180/390	220/330	330/470	3K/6.2K	
220/270	330/390	330/680		

POWER DISSIPATION, WATTS AT 70°C

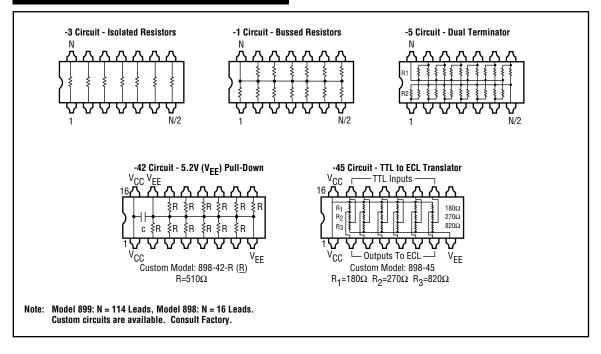
Model	Package	-1	-3	-5	
898	2.0	.125	.250	.125	
899	1.8	.125	.250	.125	



OUTLINE DIMENSIONS (Inch/mm)



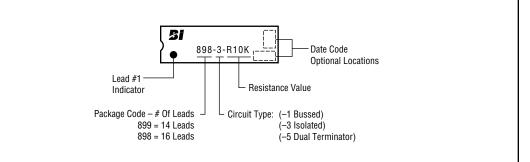
SCHEMATICS



Bi technologies

Models 898, 899

TYPICAL PART MARKING



PACKAGING

 Standard:
 Magazines

 All Units oriented with lead #1 to the same side.

 Magazine:
 Material = Antistatic Plastic

 Capacity = 25 Units

ORDERING INFORMATION

