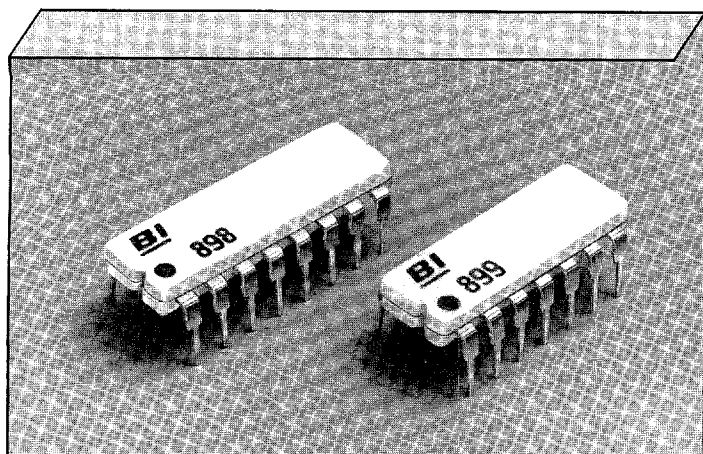




Model 898, 899 R/2R Ladder Dual In-Line

Thick Film Resistor Network

Electrical

Standard Resistance Range, Ohms	10K-100K
Standard Resistance Tolerance, at 25°C	±2%
Operating Temperature Range, °C	0° to 70°
Temperature Coefficient of Resistance	±100 ppm/°C
Maximum Operating Voltage, Vdc	100V or √PR
Insulation Resistance, Ohms Minimum	10,000 Meg
Ladder Network Accuracy	8 Bits ±½ LSB, 0° to 70°C 10 Bits ±1 LSB, 0° to 70°C

Mechanical

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

Standard Resistance Values, Ohms

R/2R	R/2R	R/2R
10K/20K	25K/50K	100K/200K
	50K/100K	

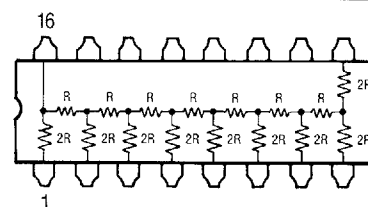
Applicable Documents

MIL-R-83401 — Resistor Networks, Fixed, Film, General Specification
MIL-STD-202 — Test Methods for Electronics and Electrical Component Parts

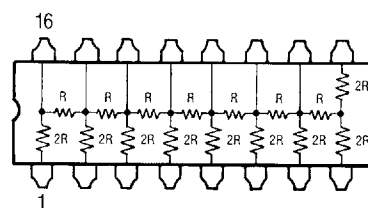
Specifications subject to change without notice.

Schematics

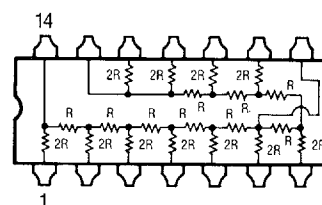
898-81 Circuit
(8 Bits)



898-82 Circuit
(8 Bits)



899-10 Circuit
(10 Bits)



899 = 14 Leads

898 = 16 Leads

Consult factory for custom circuit configurations.

Beckman IndustrialTM

Affiliate of Emerson Electric Co.

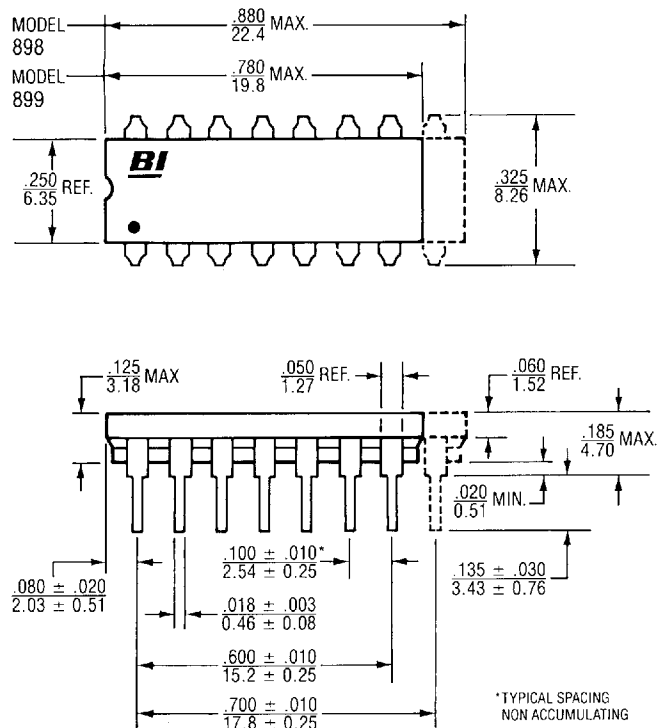
Networks

Model 898, 899 Ladder

BECKMAN INDSTL/ ELEC TECH 44E D

1336610 0002929 5 BIC T-62-05

Outline dimensions inches mm



Power (Watts) Dissipation @ 70°C

Model	Package	Resistor
898-8X	0.8	.050
899-10	1.0	.050

Packaging

Standard: Magazine

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

Magazine: Material = Anti-Static Plastic

Capacity, Units = 25

Ordering Information

898 - 81 - R10K		
Model Series		R Resistance Value
Number of Leads		Circuit Type
8 = 16 Leads		-81 (8 Bits)
		-82 (8 Bits)
899 - 10 - R10K		
Model Series		R Resistance Value
Number of Leads		Circuit Type
9 = 14 Leads		-10 (10 Bits)

Typical Part Marking

Beckman Industrial Logo	BI	Date Code Optional Locations
Lead #1 Indicator	898-81-R10K	R Resistance Value
Package Code - # of Leads		Circuit Type: -10 (10 Bits)
899 = 14 Leads		-81 (8 Bits)
898 = 16 Leads		-82 (8 Bits)



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