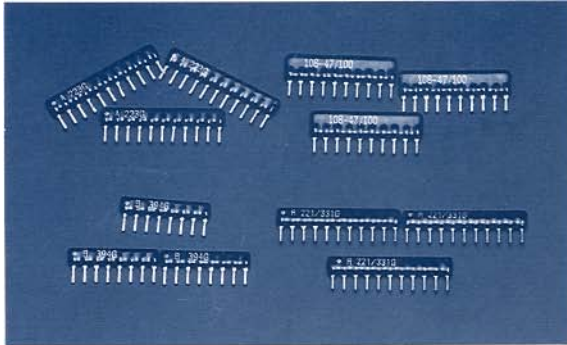


RESISTOR NETWORKS-SIP

C • A • N • T • E • C

RA • RB SERIES



Thick film resistor network have Metal Glaze Element on the ceramic substrates with strong clip construction terminal, and are coat with special epoxy resin. They are the most suitable to meet the density of circuit assembling.

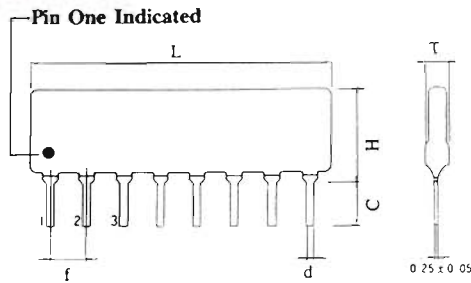
APPLICATION

- Control Circuits of V.T.R. Computer, Facsimile, Car & Air-Conditioner.
- Color T.V. & Other Electronic equipments for Consumer use.

FEATURES

- Miniature, High Density Packaging.
- Combinations of Different Ohmic value are available.
- High Reliability with RuO_2 Paste.

DIMENSION: mm

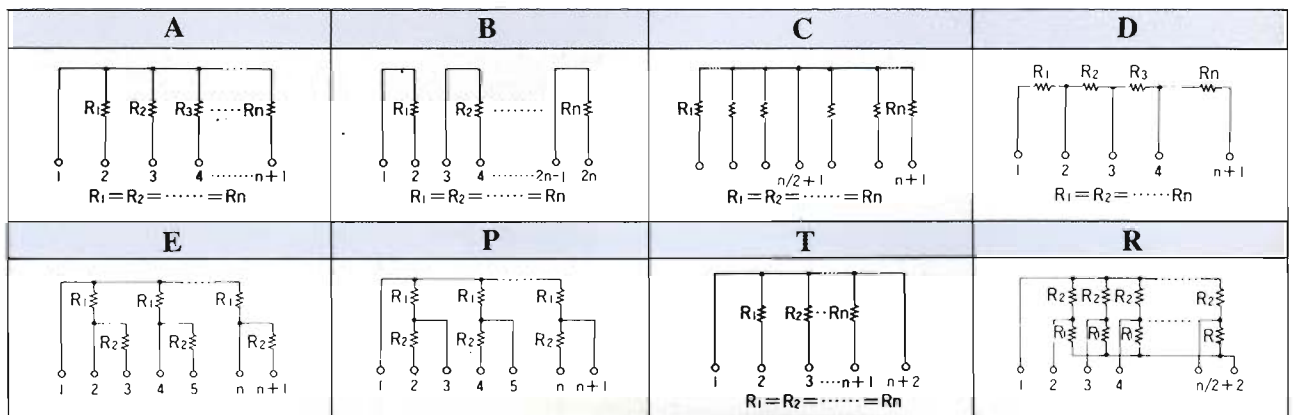


TYPE	L (MAX)	H (MAX)		T (Max)	C ± 0.5	d ± 0.05	f ± 0.2
		RA	RB				
4 pin	10.2	5.08	8	2.5	3.5	0.5	2.54
5 pin	12.7						
6 pin	15.3						
7 pin	17.8						
8 pin	20.4						
9 pin	22.9						
10 pin	25.4						
11 pin	28.0						
12 pin	30.5						
13 pin	33.1						
14 pin	35.6						

RATING

Operating Temp. Range	$-55^\circ\text{C} \sim +125^\circ\text{C}$		Wattage/Element	RA	RB
T.C.R.	$\pm 100\text{PPM}$ 50 ohm \sim 2.2M ohm			Others	Others
	$\pm 250\text{PPM}$ < 50 ohm or $\geq 2.2\text{M}$ ohm		0.2W	0.125W	0.25W
Rating Ambient Temp.	$+70^\circ\text{C}$		Max. Working Voltage	100V	200V
Resistance Range (E-12 Series)	R style	Others	Resistance Tolerance	F = $\pm 1\%$, G = $\pm 2\%$, J = $\pm 5\%$	
	100 Ω -10K	10 Ω -4.7M Ω			

CIRCUITS CONSTRUCTION



RESISTOR NETWORK-SIP

CHARACTERISTIC

ITEM	TEST METHODS	SPECIFICATIONS
Resistance Temperature Characteristic	-55°C ~ +125°C	±100ppm/°C for 50ohm ~ 2.2M ±250ppm/°C for < 50 ohm ≥ 2.2M
Temperature Cycling	-55°C ~ +125°C, for 5 Cycle	△ R ≤ ±(0.5% + 0.05Ω)
Short-Time Overload	Rated Voltage × 2.5 for 5 sec.	△ R ≤ ±(0.5% + 0.05Ω)
Resistance to Soldering Heat	350°C for 3 sec.	△ R ≤ ±(0.5% + 0.05Ω)
Insulation Resistance	100V for 1 minute	△ 10,000 Megohm Min.
Terminal Strength	Tensile: 1Kg, 30 sec. Bending: 500g, 2 Times	△ R ≤ ±(0.25% + 0.05Ω)
Thermal Shock	Load V, Room Temp. 30 minute Unload, -55°C, 15 minute Over 2 hrs in Room Temp. before measuring	△ R ≤ ±(0.5% + 0.05Ω)
Solderbility	230°C ±5°C, 3 sec.	Covering 95%
Moisture Load Life	40°C, 90-95% RH rated Voltage for 1000 hours	△ R ≤ ±(2% + 0.05Ω)
Load Life	70°C at Rated Voltage for 1000 hours	△ R ≤ ±(2% + 0.05Ω)

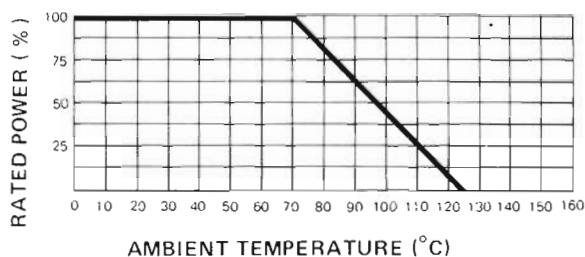
STANDARD RESISTANCE (OHM) E-12 SERIES

10	12	15	18	22	27	33	39	47	56	68	82
100	120	150	180	220	270	330	390	470	560	680	820
1K	1.2K	1.5K	1.8K	2.2K	2.7K	3.3K	3.9K	4.7K	5.6K	6.8K	8.2K
10K	12K	15K	18K	22K	27K	33K	39K	47K	56K	68K	82K
100K	120K	150K	180K	220K	270K	330K	390K	470K	560K	680K	820K
1M	1.2M	1.5M	1.8M	2.2M							

DUAL TERMINATORS (R1/R2) (OHM)

160/240	330/390
180/390	330/470
220/270	1.5K/3.3K
220/330	3.0K/6.2K

DERATING CURVE



HOW TO ORDER

