THICK FILM RESISTOR NETWORKS

THICK FILM RESISTOR NETWORK (SIP TYPE)

Thick film resistor networks have metal glaze elements on the ceramic substrates with strong clip-construction terminals, and are coated with special epoxy resin. They are originally designed, as a style of single in line package, and are the most suitable to meet the density of circuit assembling.

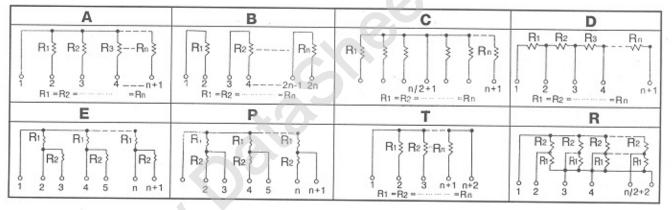
Features:

- Small in size with ah precision package. It is suitably used in printed circuit board.
- Automated trachinery mass production and competitive prices accordingly.
- 3. Extremely high stability, accuracy and reliability.

General Specification

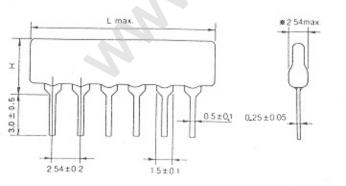
Operating Temp. Range		- 55°C	~+ 125°C	-	RA		RB
TOD	± 100 PPM 50 ohm ~ 2.2M ohm		Wattage/Element	B Circuits	Others	All Circuits	
T.C.R.	± 250 PPM	<50 ohm or 2	2.2M ohm		0.2W	0.125W	0.25W
Rating Ambient Temp. + 70°C		70°C	Max. Working Voltage	100V		200V	
Resistance Range (E-12 Series)		R Circuit	Others	Pasistanas Talaura			
		100 Ω -10K	10 Ω -4.7M Ω		$F = \pm 1\%$, $G = \pm 2\%$, $J = \pm 5\%$		

Internal Circuit



DIMENSIONS (STANDARD

DUAL TERMINATORS (R1/R2) (OHM)

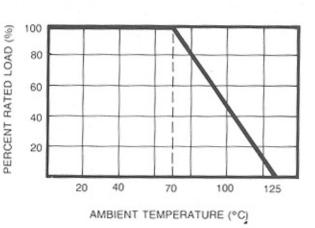


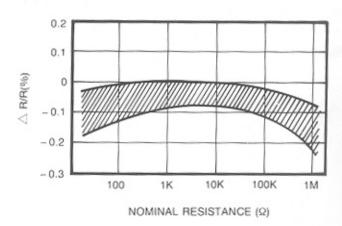
16	0/240	330/390
18	0/390	330/470
22	0/270	1.5K/3.3K
22	0/330	8.0K/6.2K
		Cep
H	NAX) `
RA	RB	
S4 .		1

NO: PS RA 4 5 6 7 8 10 9 11 12 13 14 5.08 7.5 10.2 12.7 15.3 17.8 20.4 22.1 25.4 28.0 30.5 33.1 35.6 MM

DERATING CURVE

SHORT TIME OVERLOAD

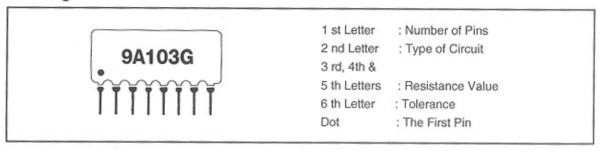




Characteristic Performance

Test Items	Specification		
Insulation Resistance (200Vdc Applied)	10 ⁴ M Ω or Greater		
Thermal Shock (- 55°C to + 125°C, 5 Cycles)	Δ R/R: ± (0.5% + 0.1 Ω)		
Short Time Overload (2.5 × Rated Voltage, 5 Sec.)	Δ R/R: ± (0.5% + 0.1 Ω)		
Resistance to Soldering Heat (+ 260°C ± 5°C, 10 Sec.)	Δ R/R: ± (0.5% + 0.1 Ω)		
Heat Shock (+ 25°C t0 + 125°C, 5 Cycles)	Δ R/R: ± (0.5% + 0.1 Ω)		
Moisture Resistance, Constant State (40 °C, 95% R.H., 1,000Hrs.)	Δ R/R: ± (1% + 0.1 Ω)		
High Temperature Exposure (125 °C, 100Hrs.)	Δ R/R: ± (1% + 0.1 Ω)		
Moisture Load Life (1,000Hrs., 40 °C, 95% R.H., - Rated Voltage Cycling)	△ R/R: ± (3% + 0.1 Ω)		
Load Life (1,000Hrs., Rated Voltage Cycling at 70 °C)	Δ R/R: ± (3% + 0.1 Ω)		
Load Pull Strength (1kg, 10 Sec.)	Δ R/R: ± (0.5% + 0.1 Ω)		
Temperature Coefficient (- 55°C to 125°C)	± 100ppm/°C ± 250ppm/°C for <50 Ω or >2.2M Ω		
Solderability (230 °C for 5 Sec.)	95% min. coverage		
Note: Test methods and conditions are in accordance witn MIL-R- 83401			

Marking



Part Number System

