

Resistor Network-SIP Series

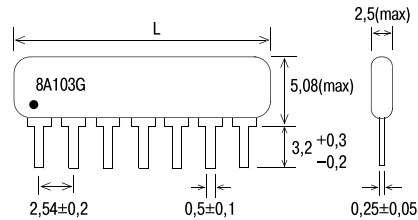
Features

- Miniature, high density packaging
- High reliability with $R_{u}O_2$ paste

Application:

- Control circuit of V.T.R.
- Air-conditioner
- Computer, color TV
- Facsimile

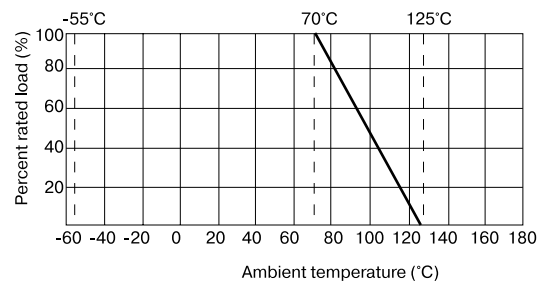
Dimension



Dimension of L (max.)

4 Pin: 10.2 mm	9 Pin: 22.9 mm
5 Pin: 12.7 mm	10 Pin: 25.4 mm
6 Pin: 15.3 mm	11 Pin: 28.0 mm
7 Pin: 17.8 mm	12 Pin: 30.5 mm
8 Pin: 20.4 mm	13 Pin: 33.1 mm
	14 Pin: 35.6 mm

Derating Curve



Performance Specifications

Circuit	A (Single common type)	B (Isolated type)
Circuit Structure	<p>$R1=R2=...=Rn$</p>	<p>$R1=R2=...=Rn$</p>
Power Rating at $70^{\circ}C$	1/8W (0.125W)	1/5W (0.2W)
Max. Working Voltage	100 V	100 V
Max. Overload Voltage	150 V	150 V
Dielectric Withstanding Voltage	200 V	200 V
Resistance (E-24 Series)	10 Ω ~ 1 M Ω	10 Ω ~ 1 M Ω
Resistance Tolerance	$\pm 2\%$, $\pm 5\%$	$\pm 2\%$, $\pm 5\%$
Operating Temperature Range	$-55^{\circ}C$ ~ $+125^{\circ}C$	$-55^{\circ}C$ ~ $+125^{\circ}C$

Temperature coefficient

50 Ω ~ 1 M Ω : ± 200 PPM / $^{\circ}C$
 $< 50 \Omega$ & $> 1 M\Omega$: ± 250 PPM / $^{\circ}C$

Short time overload

$\Delta R/R \leq \pm(0.5\% + 0.1 \Omega)$

Insulation resistance

Min. 10,000 Mega ohm.

Dielectric withstanding voltage

No Evidence of flashover, mechanical damage, arcing or insulation breakdown

Terminal strength

$\Delta R/R \leq \pm(0.5\% + 0.1 \Omega)$

Resistance to soldering heat

$\Delta R/R \leq \pm(0.5\% + 0.1 \Omega)$

Solderability

Covering 95%

Thermal shock

$\Delta R/R \leq \pm(0.5\% + 0.1 \Omega)$

Temperature cycling

$\Delta R/R \leq \pm(0.5\% + 0.1 \Omega)$

Load life in humidity

$\Delta R/R \leq \pm(3.0\% + 0.1 \Omega)$

Load life

$\Delta R/R \leq \pm(3.0\% + 0.1 \Omega)$