

## Feature

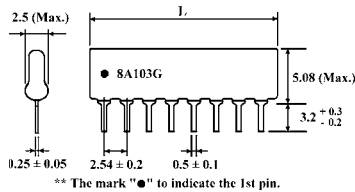
- Miniature, high density packaging
- High reliability with  $R_{UO_2}$  paste

## Application

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



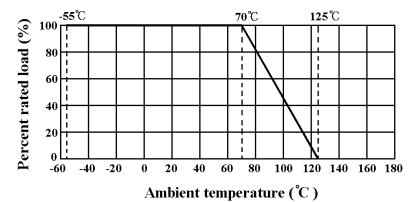
## Dimension



## Dimension of L (max.)

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

## Derating Curve:



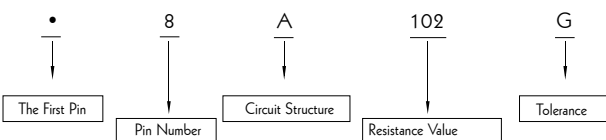
## Circuit Structure

A(Single common) RA8A9 Series	B(Isolated)	C(Central Common)	D(Neck and Neck)	E(Ladder)	L(R/2R Ladder)	R(Double Sided)

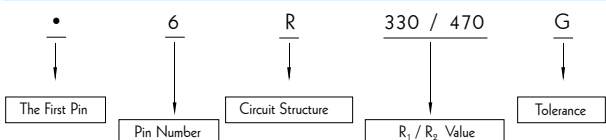
\* Custom Design Circuit could be available on a case to case basis.

Power Rating at 70°C	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Resistance Range	Resistance Tolerance	Operating Temp. Range
B Type: 0.2W Others: 0.125W	100V	150V	200V	R Type: 100Ω~10KΩ Others: 10Ω~1M	±2% ±5%	-55°C~+125°C

## Marking: (Single Terminator)



## Marking: (Dual Terminators)



## Dual Terminators (R1/R2) (Ohm)

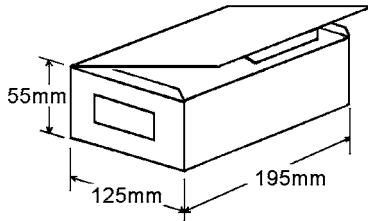
160 / 240	330 / 390
180 / 390	330 / 470
220 / 270	1.5K / 3.5K
220 / 330	3.0K / 6.2K

\* Special Value available on a case to case basis.

## Performance Specifications

Temperature coefficient	50Ω ~ 1MΩ: ±200PPM/°C <50Ω & >1MΩ: ±250PPM/°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, 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	$\Delta R/R \leq \pm(3\% + 0.1\Omega)$
Load life	$\Delta R/R \leq \pm(3\% + 0.1\Omega)$

Standard Packing of Resistor Network



No. of Pins	Weight Of 1,000pcs	Qty. Per Bag	Qty. Per Box	Qty. Per Carton
4	210g	500	5,000	75,000
5	250g	400	4,000	60,000
6	320g	300	3,000	45,000
7	360g	200	2,000	30,000
8	430g	200	2,000	30,000
9	450g	200	2,000	30,000
10	530g	150	1,500	22,500
11	600g	100	1,000	15,000
12	650g	100	1,000	15,000
13	710g	100	1,000	15,000
14	770g	100	1,000	15,000

• Standard Carton dimension (mm) : 395×367×195

Ordering Procedure (Example: RNL A type 10 PIN 2% 10KΩ B/B)

