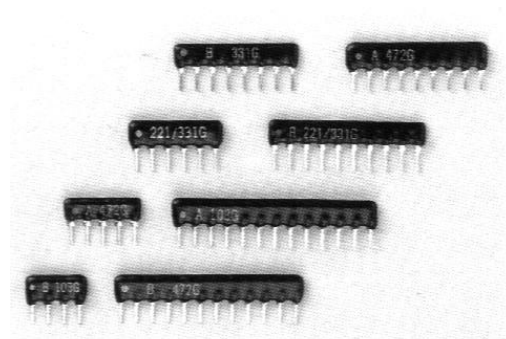


## Thick Film Low Profile Resistor Network

### Features

- Space saving over individual resistors
- Low Profile, High Density Package

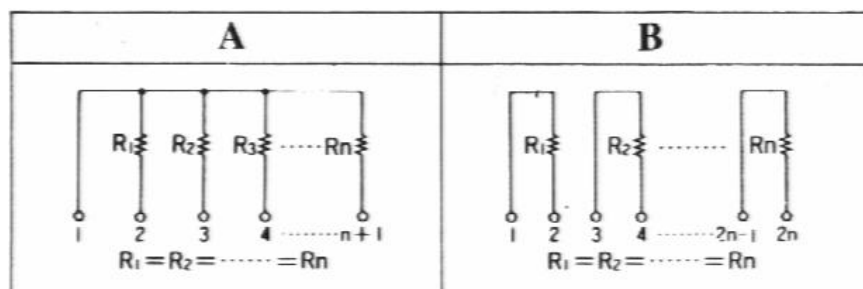


### Applications

- For general purpose applications
- For computer, Car, Air-Conditioner, Color Television and Electronic equipment

Note: Non-corrosive Rosin (R) or mildly activated (RMA) flux is recommended.

### Circuit Diagrams



### Absolute Maximum Ratings & Characteristics

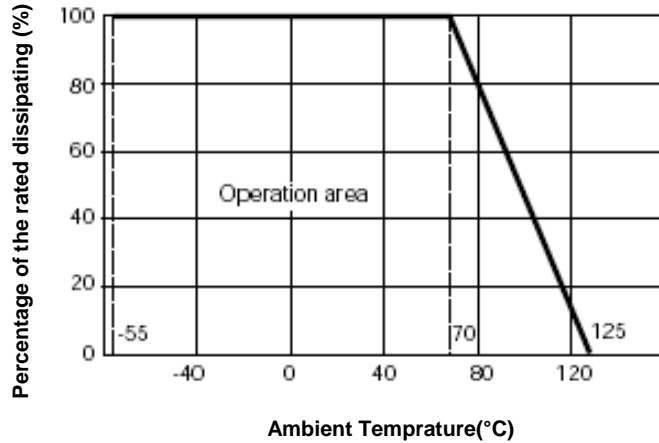
Product Family	Wattage/Element	Resistance Tolerance	MAX Working Voltage	TCR ppm/°C	Resistance Range	Rated Working Temperature
RA	0.125 W	F: $\pm 1\%$ G: $\pm 2\%$ J: $\pm 5\%$	100V	$\pm 100\text{ppm}$ (50 $\Omega$ ~ 2.2M $\Omega$ ) $\pm 250\text{ppm}$ (< 50 $\Omega$ , $\geq 2.2\text{M}\Omega$ )	10 $\Omega$ ~4.7M $\Omega$	-55°C ~+125°C
RB	0.2 W					

# Thick Film Low Profile Resistor Network

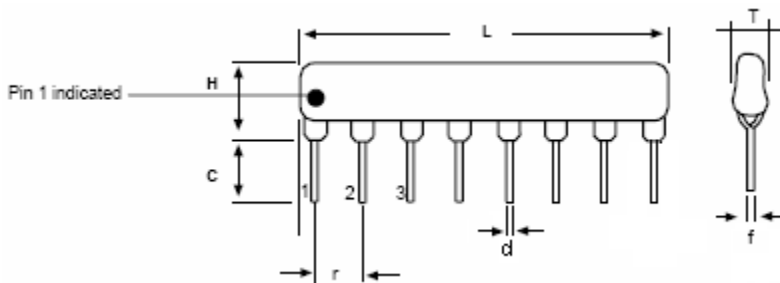
## RA &RB Series

### Power Derating Curve

For resistors operate in the ambient temperature over 70°C, loading power ratio will derate in accordance with following curve.



### Dimensions (in mm)



No. of Pins	No. of Elements		L(max)	H(max)	T(max)	C +0.3 -0.2	d ±0.05	r ±0.2	f ±0.05
	Type RA	Type RB							
4	3	2	10.2	5.08	2.5	2.8	0.5	2.54	0.25
5	4	--	12.7						
6	5	3	15.3						
7	6	--	17.8						
8	7	4	20.4						
9	8	--	22.9						
10	9	5	25.4						
11	10	--	28						
12	11	6	30.5						
13	12	--	33.1						
14	13	7	35.6						

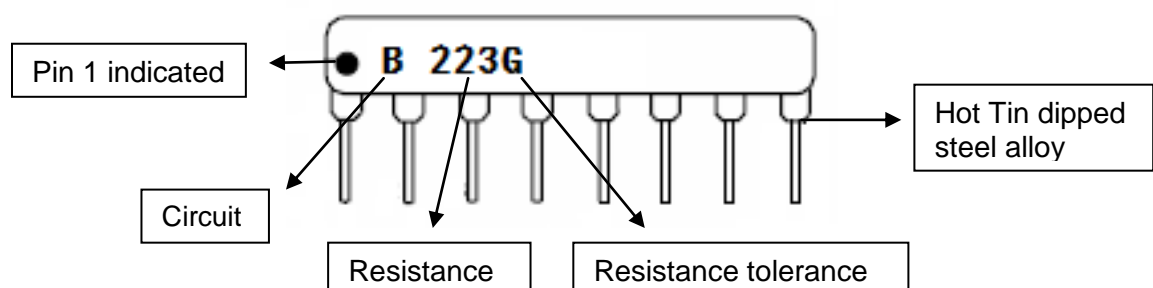
# Thick Film Low Profile Resistor Network

## RA &RB Series

### Environmental Performance Specification

Item	Test Methods	Specifications
Resistance temperature characteristic	-55°C ~+125°C	$\pm 100\text{ppm}/^\circ\text{C}$ for $50\Omega \sim 2.2\text{M}$ $\pm 250\text{ppm}/^\circ\text{C}$ for $<50\Omega \geq 2.2\text{M}$
Temperature Cycling	-55°C ~+125°C , for 5 cycle	$\Delta R \leq \pm(0.5\% + 0.05\Omega)$
Short-Time Overload	Rated Voltage X 2.5 for 5 sec	$\Delta R \leq \pm(0.5\% + 0.05\Omega)$
Resistance to Soldering Heat	350°C for 3 sec	$\Delta R \leq \pm(0.5\% + 0.05\Omega)$
Insulation Resistance	100V for 1 minute	$\Delta 10000\text{Megohm minute}$
Terminal Strength	Tensile: 1Kg, 30 sec Bending: 500g, 2 times	$\Delta R \leq \pm(0.25\% + 0.05\Omega)$
Thermal Shock	Load V, Room temp. 30 minute Unload, -55°C , 15 minute Over 2 hrs in Room Temp. before measuring	$\Delta R \leq \pm(0.5\% + 0.05\Omega)$
Solderability	230°C $\pm 5^\circ\text{C}$ , 3 sec	Covering 95%
Moisture Load Life	40°C , 90-95% RH rated Voltage for 1000 hours	$\Delta R \leq \pm(2\% + 0.05\Omega)$
Load Life	70°C at Rated Voltage for 1000 hours	$\Delta R \leq \pm(2\% + 0.05\Omega)$

### Marking & Lead frame material Information:



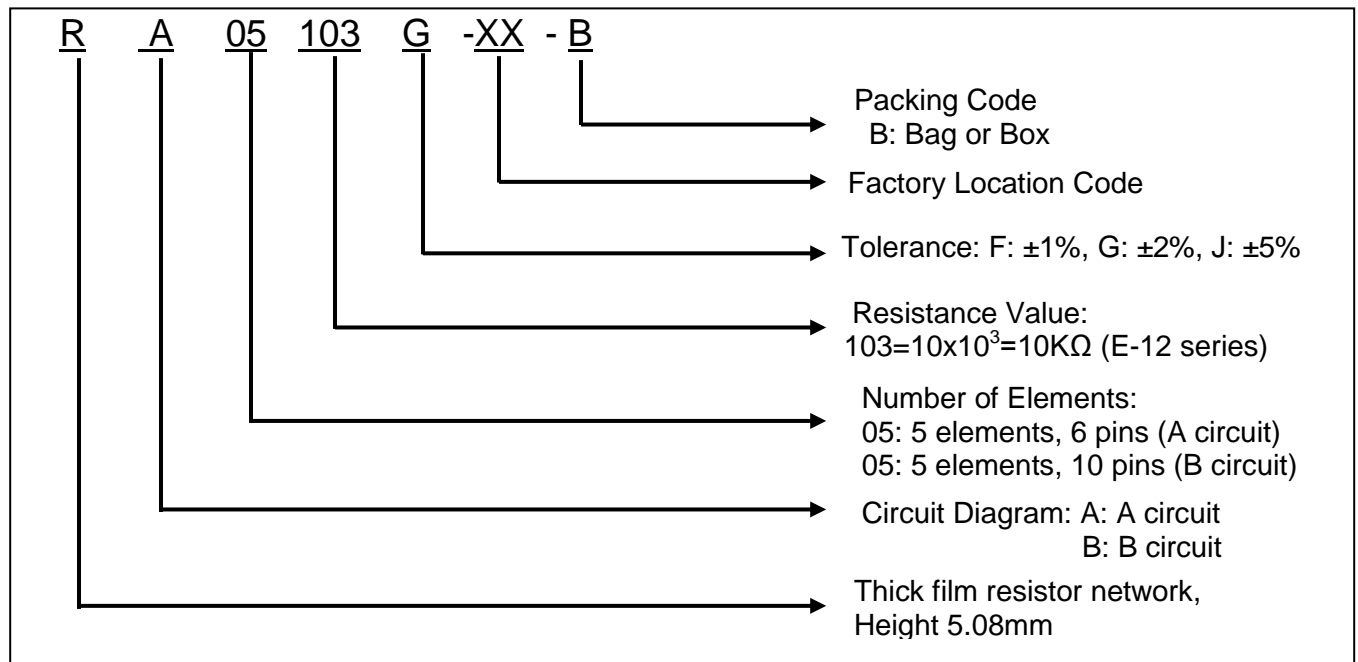
# Thick Film Low Profile Resistor Network

## RA &RB Series

### PackPaging (in pcs)

Package	4-6 pins	7-10 pins	11-12 pins	13-14 pins
Bag	200	200	200	200
Inner box	2000	1000	800	600
Carton	60000	30000	24000	18000

### How to Order



# Thick Film Low Profile Resistor Network

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## RA &RB Series

### How to contact us

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