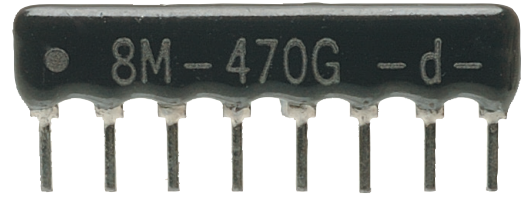


## Features:

- High reliability with RUO2 paste
- Miniature, high density packaging
- Combination of different ohmic values are available



## Performance specification:

Temperature coefficient:	50Ω ~ 1MΩ: ±200PPM/°C <50Ω & >1MΩ: ±250PPM/°C
Short time overload:	±(0.5% + 0.1Ω) max.
Insulation resistance:	Min. 10,000 mega ohm
Dielectric withstanding voltage:	No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Terminal strength:	±(0.5% + 0.1Ω) max.
Resistance to soldering heat:	±(0.5% + 0.1Ω) max.
Solderability:	Min. 95% coverage
Thermal shock:	±(0.5% + 0.1Ω) max.
Temperature cycling:	±(0.5% + 0.1Ω) max.
Load life in humidity	±(3.0% + 0.1Ω) max.
Load life:	±(3.0% + 0.1Ω) max.

## Ordering procedure: e.g. RNL A-type, 10-pins, ±2%, 10KΩ, B/B

**R N L A 1 0 G 0 1 0 3 B 0 E**

### Resistor size:

RNL = Resistors  
Network Low Profile

### Circuit type:

A = Common  
B = Isolated

### Wattage:

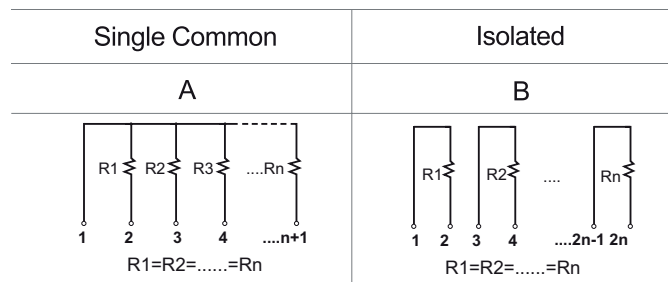
04 = 4 pins  
05 = 5 pins  
06 = 6 pins  
07 = 7 pins  
08 = 8 pins  
09 = 9 pins  
10 = 10 pin  
11 = 11 pins  
12 = 12 pins  
13 = 13 pins  
14 = 14 pins

### Tolerance:

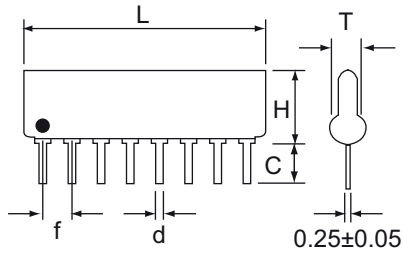
G = ±2%

### Resistance value:

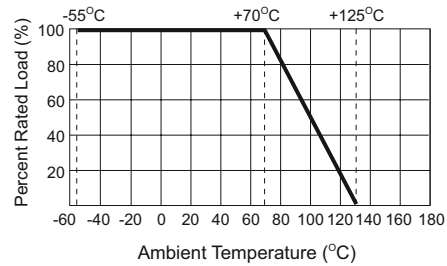
• E-24 series:  
1<sup>st</sup> digit is "0"  
2<sup>nd</sup> & 3<sup>rd</sup> digits are significant figures of the resistance  
4<sup>th</sup> indicates the number of zeros:  
"J" ~ 0.1, "K" ~ 0.01, "L" ~ 0.001  
e.g. 012J, ~ 1Ω, 226K ~ 2Ω26



Dimension (mm)

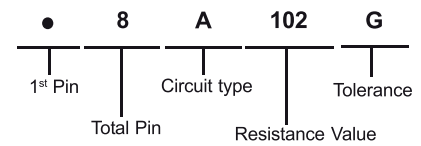


Derating Curve



Type	L (max.)	H (max.)	T (max.)	C <sup>+0.3</sup> <sub>-0.2</sub>	d±0.1	f±0.2
4 pins	10.2	5.08	2.5	3.2	0.5	2.54
5 pins	12.7					
6 pins	15.3					
7 pins	17.8					
8 pins	20.4					
9 pins	22.9					
10 pins	25.4					
11 pins	28.2					
12 pins	30.5					
13 pins	31.1					
14 pins	35.6					

Marking (Single Value)



Note: Type A & B are commonly ordered. Other types can be provided on a case to case basis

Type	Power rating at 70°C	Operating temperature range	Max. working voltage	Max. overload voltage	Dielectric withstanding voltage	Tolerance %	Resistance range
B Type	0.2W	-55°C ~ +125°C	100V	150V	200V	±2% ±5%	R-Type 100Ω ~ 10KΩ
Other	0.15W	-55°C ~ +125°C	100V	150V	200V		Others: 100Ω ~ 1MΩ