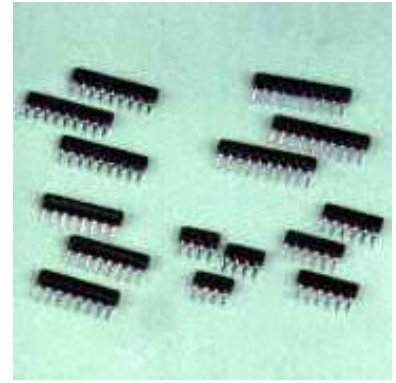


### FEATURES

- + Miniature, high density assembly
- + Combinations of different ohmic value are available
- + High reliability with RuO<sub>2</sub> paste

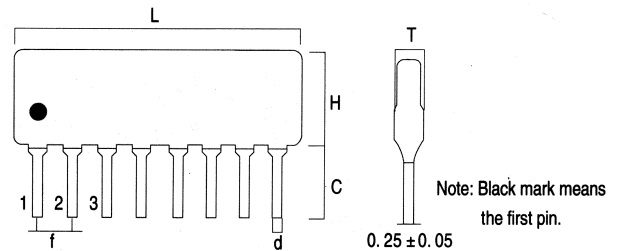


### HOW TO ORDER

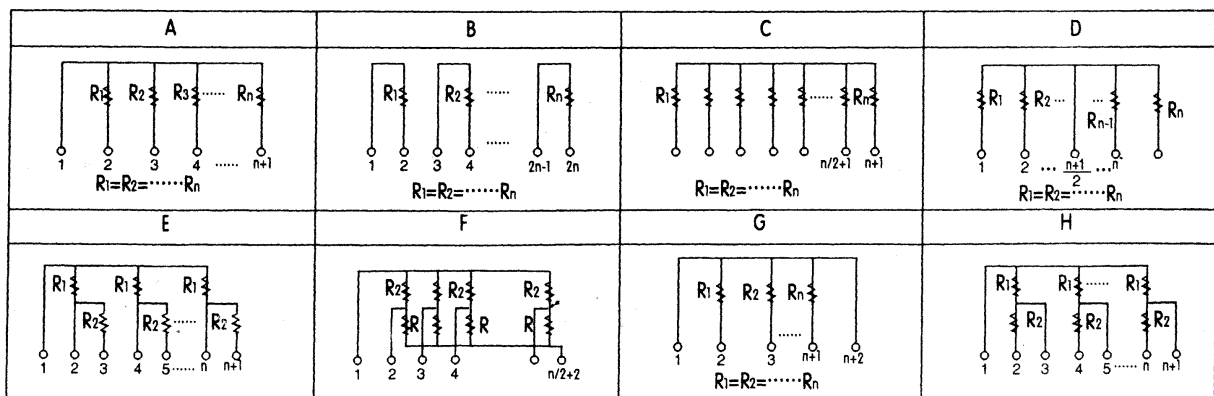
A		09		472		J	
Circuits		Number of pin		Resistance Value		Tolerance	
A	B	04	4 pin	E-24: The first two digits are significant figure of resistance and the third one express number of following zeros. Letter R is decimal point. Jumper is expressed by 000	F	± 1%	
C	D	05	5 pin		G	± 2%	
E	F	06	6 pin		J	± 5%	
G	H	07	7 pin				
		08	8 pin				
		09	9 pin				
		10	10 pin				
		11	11 pin				
		12	12 pin				
		13	13 pin				
		14	14 pin				

### DIMENSIONS

TYPE	Lmax (mm)	Hmax (mm)	Tmax (mm)	C ±0.5	d ±0.05	f ±0.2
4 pin	10.2	5.08	2.5	3.5	0.5	2.54 (1.778)
5 pin	12.7					
6 pin	15.3					
7 pin	17.8					
8 pin	20.4					
9 pin	22.9					
10 pin	25.4					
11 pin	28.0					
12 pin	30.5					
13 pin	33.1					
14 pin	35.6					



### CIRCUIT CONSTRUCTION



### RATED POWER

Item	A	B
Rate Power	1/8W (1/4W)	1/8W (1/4W)
Max. Operating Voltage	200V	
Resistance Tolerance	± 1%(F)    ± 2%(G)    ± 5%(J)	
Resistance Range	E-24 Series (10 $\blacktriangleright$ ~ 1M $\blacktriangleright$ )	
Operating Temperature Range	-55°C ~ +125°C	
Temperature Coefficient	±250ppm/°C / ±100ppm/°C	
Rated Temperature	+70°C	

### CHARACTERISTICS

Item	Specifications	Test Methods( JIS C 4202)
Temperature Cycling	±(1.0% + 0.05 $\blacktriangleright$ )	-55°C ~ +125°C for 5 cycles
Short Time Over load	±(2% + 0.1 $\blacktriangleright$ )	Rated Voltage x 2.5 for 5 sec.
Resistance To Soldering Heat	±(1% + 0.05 $\blacktriangleright$ )	260 ± 5°C for 10 sec.
Moisture Loading Life	±(3% + 0.1 $\blacktriangleright$ )	60°C ±2°C 90-95% RH 1000Hrs at RCWV 1.5Hrs ON, 0.5Hrs OFF
Load Life	±(3% + 0.1 $\blacktriangleright$ )	70°C ±2°C, 1000Hrs at RCWV 1.5Hrs ON, 0.5Hrs OFF
Solderability	Coverage >= 95%	235°C ± 5°C for 3 sec.

### PACKAGING QUANTITY

Bulk Package (B)	200 pcs per plastic bag, 5 bags per box
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