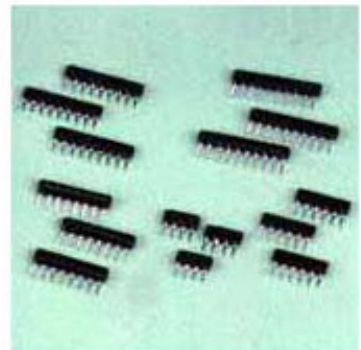


### FEATURES

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



### HOW TO ORDER

A	
Class	Code
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H

09	
Code	Number of pins
04	4 pins
05	5 pins
06	6 pins
07	7 pins
08	8 pins
09	9 pins
10	10 pins
11	11 pins
12	12 pins
13	13 pins
14	14 pins

472	
Resistance Value	
E-24: The first two digits are significant figure of resistance and the third one expresses number of following zeros. Letter R is decimal point. Jumper is expressed by 000.	

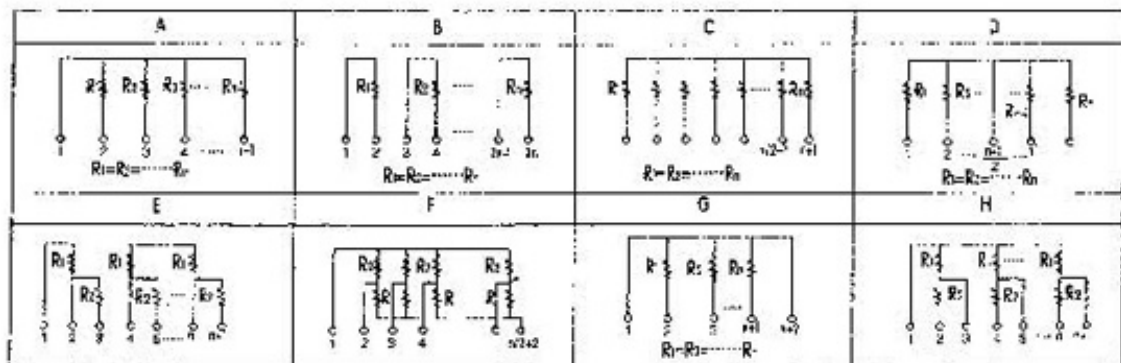
J	
Code	Tolerance
F	±1%
G	±2%
J	±5%

### DIMENSIONS

TYPE	Limit (mm)	Max (mm)	Min (mm)	C ±0.5	d ±0.05	t ±0.2
4 pins	10.2	5.08	2.5	3.5	0.5	254 (1.778)
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	28.0					
12 pins	30.5					
13 pins	33.1					
14 pins	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	$\pm 1\%$ (F)	$\pm 2\%$ (G) $\pm 5\%$ (J)
Resistance Range	E-24 Series (10 $\Omega$ ~ 1M $\Omega$ )	
Operating Temperature Range	-55°C ~ +125°C	
Temperature Coefficient	$\pm 250$ ppm/°C / $\pm 100$ ppm/°C	
Rated Temperature	+70°C	

## CHARACTERISTICS

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

## PACKAGING QUANTITY

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