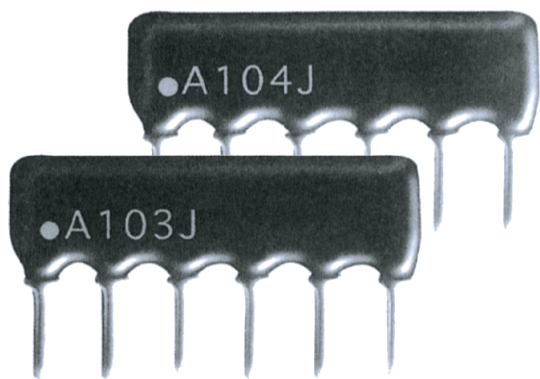




THICK FILM NETWORK RESISTOR

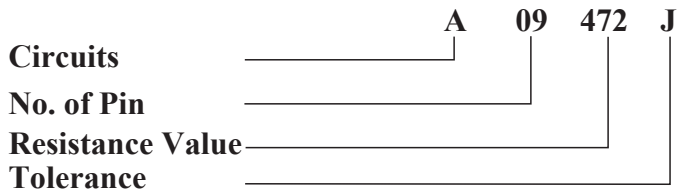
MEC www.mobicon.com



FEATURES :

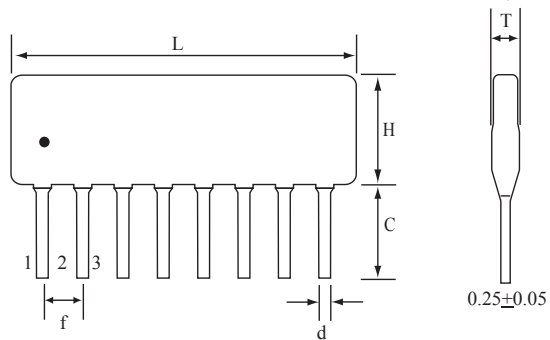
- Miniature, high density assembly
- Combination of different ohmic value are available
- High reliability with RuO₂ paste

HOW TO ORDER



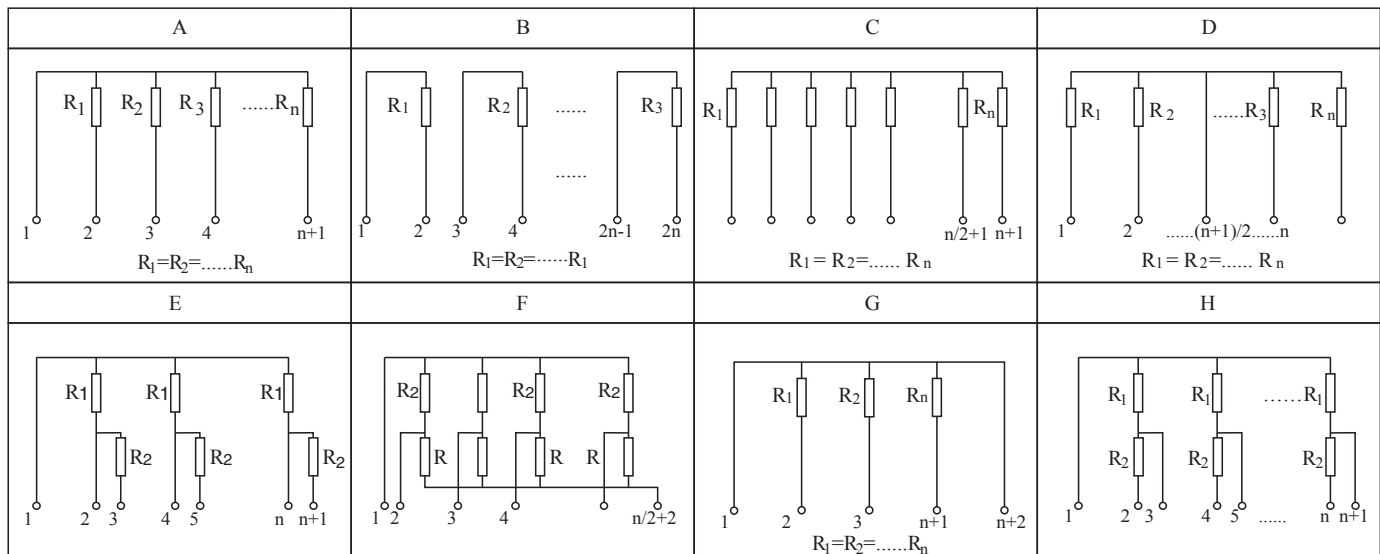
TYPE	L(max)	H(max)	T(max)	C ±0.5	d ±0.05	f ±0.2
4 Pin	10.2	5.08	2.5	3.5	0.5	2.54 (1.778)
5 Pin	12.7					
6 Pin	15.3					
7 Pin	17.8					
8 Pin	20.4					
9 Pin	22.9					
10 Pin	25.4					
11 Pin	28.0					
12 Pin	30.5					
13 Pin	33.1					
14 Pin	35.6					

OUTLINE DRAWING & DIMENSIONS (mm)



NOTE: Black mark means the first pin.

CIRCUIT CONSTRUCTION



Rated Power

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

FEATURES

ITEM	Specifications	Test Methods (JIS C 4202)
Temperature Cycling	$\pm(1\%R + 0.05\Omega)$	-55°C ~ +125°C for 5 Cycles
Short Time Over Load	$\pm(2\%R + 0.1\Omega)$	Rated Voltage x 2.5 for 5 Seconds
Resistance to Soldering Heat	$\pm(1\%R + 0.05\Omega)$	260°C \pm 5°C for 10 Seconds
Moisture Loading Life	$\pm(3\%R + 0.1\Omega)$	60°C \pm 2°C, 90-95% RH 1000hrs at RCWV 1.5hrs ON, 0.5hrs OFF
Loading Life	$\pm(3\%R + 0.1\Omega)$	70°C \pm 2°C, 1000hrs at RCWV1.5hrs ON, 0.5hrs OFF
Solderability	Coverage $\geq 95\%$	235°C \pm 5°C for 2 Seconds

Standard Resistance Value (Ω)

10 12 15 18 22 33 39 47 56 68 82
100 120 150 180 220 330 390 470 560 680 820
1k 1.2k 1.5k 1.8k 2.2k 3.3k 3.9k 4.7k 5.6k 6.8k 8.2k
10k 12k 15k 18k 22k 33k 39k 47k 56k 68k 82k
100k 120k 150k 180k 220k 330k 390k 470k 560k 680k 820k
1M 1.2M 1.5M 1.8M 2.2M 3.3M

Packing Quantity

Bulk Package	200 pcs/ plastic bag, 5 bags/box
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SPECIAL TYPE

