

Resistor networks from Alpha Electronics, specialists in precision resistors, featuring Bulk Metal® Foil technology, provide excellent performance in TCR tracking, resistance ratio matching and stability.

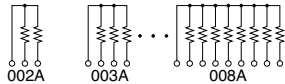
Characteristics

- Temperature Characteristics of Resistance: 0 ± 5 ppm/°C
- TCR Tracking: ± 1 ppm/°C
- Resistance Ratio Matching: $\pm 0.01\%$
- Resistance Stability: $\pm 0.005\%$ /year

STANDARD CIRCUIT

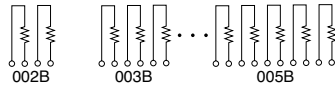
Circuit A (Array)

Circuit Symbol



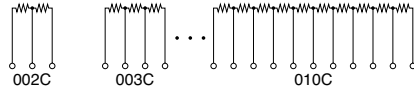
Circuit B (Independent)

Circuit Symbol



Circuit C (Divider)

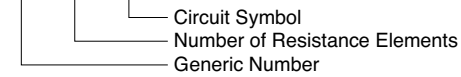
Circuit Symbol



Composition of Circuit Symbol

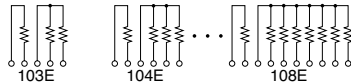
Example:

0 02 A

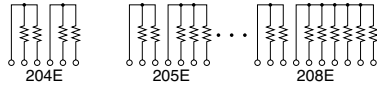


Circuit E (A Circuit Divided into Two)

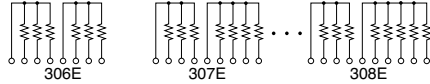
Circuit Symbol



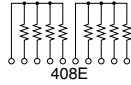
Circuit Symbol



Circuit Symbol



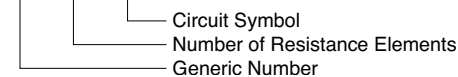
Circuit Symbol



Composition of Circuit Symbol

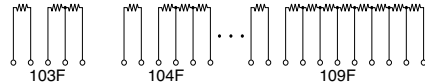
Example:

1 03 E

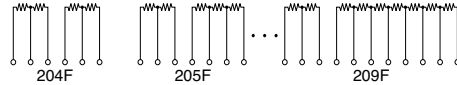


Circuit F (C Circuit Divided into Two)

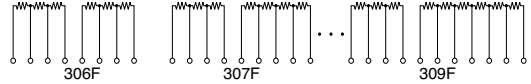
Circuit Symbol



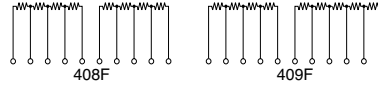
Circuit Symbol



Circuit Symbol



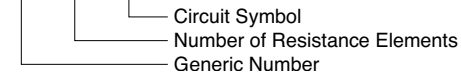
Circuit Symbol



Composition of Circuit Symbol

Example:

1 03 F



Circuits other than listed are available.

RESISTANCE RANGE AND NUMBER OF ELEMENTS MOUNTABLE

Type	Case Encapsulated Type	Conformally Coated Type			
		SC	SE	SF	SS
Max. Resistance Value/Element (Ω)	120k	120k	120k	20k	
Min. Resistance Value/Element (Ω)	30	30	30	30	
Max. Resistance Value/Package (Ω)	1,200k	600k	240k	100k	
Maximum Number of Network Elements	Circuit A	8	4	—	5
	Circuit B	5	5	2	3
	Circuit C	10	5	2	5
	Circuit E	8	—	—	4
	Circuit F	9	5	—	4

TABLE 1. TEMPERATURE CHARACTERISTICS OF RESISTANCE

TCR (ppm/°C) -25°C to +125°C		
Absolute	Tracking	
	Resistance Ratio (R max./R min.)	TCR Tracking Available
0±5	$1 \leq R \text{ max.}/R \text{ min.} \leq 10$	±1
	$10 < R \text{ max.}/R \text{ min.} \leq 100$	±2
	$100 < R \text{ max.}/R \text{ min.}$	±3