

● Part Numbering

Radial Lead Type Monolithic Ceramic Capacitors

(Part Number)

RP	E	R7	1H	104	K	2	M1	A03	A
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

① Product ID

② Series/Terminal

Product ID	Series/Terminal	
RP	E	Radial Lead Type Monolithic Ceramic Capacitors (DC25V-DC100V)
RH	E/D	Radial Lead Type Monolithic Ceramic Capacitors (for Automotive) (DC50V-DC100V)
RD	E	Radial Lead Type Monolithic Ceramic Capacitors (Only for Commercial Use) (DC250V-DC630V)

③ Temperature Characteristics

Code	Temperature Characteristics	Temperature Range	Capacitance Change or Temperature Coefficient	Operating Temperature Range
5C	C0G	25 to 125°C	0±30ppm/°C	-55 to 125°C
E4	Z5U	10 to 85°C	+22, -56%	10 to 85°C
F5	Y5V	-30 to 85°C	+22, -82%	-30 to 85°C
L8	X8L	-55 to 125°C	±15%	-55 to 150°C
		125 to 150°C	+15, -40%	
R7	X7R	-55 to 125°C	±15%	-55 to 125°C

④ Rated Voltage

Code	Rated Voltage
1E	DC25V
1H	DC50V
2A	DC100V
2E	DC250V
2J	DC630V

⑤ Capacitance

Expressed by three figures. The unit is pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two numbers. If there is a decimal point, it is expressed by the capital letter "R". In this case, all figures are significant digits.

⑥ Capacitance Tolerance

Code	Capacitance Tolerance	Temperature Characteristics	Capacitance Step
C	±0.25pF	C0G	≤5pF : 1pF Step
D	±0.5pF		6 to 9pF : 1pF Step
J	±5%		≥10 : E12 Series
K	±10%	X7R	E6 Series
M	±20%	Z5U	E3 Series
Z	+80%, -20%	Y5V	E3 Series

⑦ Dimensions (LxW)

Code	Dimensions (LxW)
1	3.5X3.0mm or 4.0X3.5mm (Depends on Part Number List)
2	5.0X3.5mm or 5.5X4.0mm or 5.7X4.5mm (Depends on Part Number List)
3	5.0X4.5mm or 5.5X5.0mm (Depends on Part Number List)
4	7.5X5.0mm
5	7.5X7.5mm (DC630V: 7.5X8.0mm)
6	10.0X10.0mm
7	12.5X12.5mm
8	7.5X5.5mm
U	7.7X12.5mm (DC630V: 7.7X13.0mm)

⑧ Lead Style

Code	Lead Style	Lead Spacing
A1/A2	Straight Long	2.5mm
B1	Straight Long	5.0mm
C1	Straight Long	10.0mm
DB	Straight Taping	2.5mm
E1/E2	Straight Taping	5.0mm
K1	Inside Crimp	5.0mm
M1/M2	Inside Crimp Taping	5.0mm
P1	Outside Crimp	2.5mm
S1/S2	Outside Crimp Taping	2.5mm

Lead distance between reference and bottom planes.

M1, S1 : H₀ = 16.0±0.5mm

M2, S2 : H₀ = 20.0±0.5mm

E1 : H = 17.5±0.5mm

E2 : H = 20.0±0.5mm

⑨ Individual Specification Code

Expressed by three figures

⑩ Packaging

Code	Packaging
A	Ammo Pack
B	Bulk