

## ● Part Numbering

### Radial Lead Type Monolithic Ceramic Capacitors

(Part Number)

RC	E	R7	1H	104	K	0	M1	H03	A
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

#### ① Product ID / ② Series/Terminal

Product ID	Series/Terminal	
RH	E	Radial Lead Type Monolithic Ceramic Capacitors 150°C max. (for Automotive) (DC50V-DC100V)
RH	S	Radial Lead Type Monolithic Ceramic Capacitors 200°C max. (for Automotive) (DC200V-DC500V)
RD	E	Radial Lead Type Monolithic Ceramic Capacitors (Only for General Use) (DC25V-DC1kV)
RC	E	Radial Lead Type Monolithic Ceramic Capacitors 125°C max. (for Automotive) (DC25V-DC100V)

#### ③ Temperature Characteristics

Temperature Characteristic Codes			Temperature Characteristics			Operating Temperature Range
Code	Public STD Code		Reference Temperature	Temperature Range	Capacitance Change or Temperature Coefficient	
5C	C0G	EIA	25°C	25 to 125°C	0±30ppm/°C	-55 to 125°C
				-55 to 25°C	0+30/-72ppm/°C	
5G	X8G	*1	25°C	25 to 150°C	0±30ppm/°C	-55 to 150°C
				-55 to 25°C	0+30/-72ppm/°C	
7J	UNJ	*1	25°C	-55 to 25°C	-750+120/-347ppm/°C	-55 to 200°C
				25 to 125°C	-750±120ppm/°C	
				125 to 200°C	-750+347/-120ppm/°C	
7U	U2J	EIA	25°C	25 to 125°C *2	-750±120ppm/°C	-55 to 125°C
				-55 to 25°C	-750+120/-347ppm/°C	
C7	X7S	EIA	25°C	-55 to 125°C	±22%	-55 to 125°C
D7	X7T	EIA	25°C	-55 to 125°C	+22%, -33%	-55 to 125°C
L8	X8L	*1	25°C	-55 to 150°C	+15%, -40%	-55 to 150°C
R7	X7R	EIA	25°C	-55 to 125°C	±15%	-55 to 125°C

\*1 Murata Temperature Characteristic Code.

\*2 Rated Voltage 100Vdc max: 25 to 85°C

#### ④ Rated Voltage

Code	Rated Voltage
1E	DC25V
1H	DC50V
2A	DC100V
2D	DC200V
2E	DC250V
2W	DC450V
2H	DC500V
2J	DC630V
3A	DC1kV

#### ⑤ Capacitance Tolerance

Code	Capacitance Tolerance	Temperature Characteristics Code
C	±0.25pF	5C/5G
D	±0.5pF	
J	±5%	5C/5G/7J/7U
K	±10%	C7/D7/L8/R7
M	±20%	C7/D7/L8/R7

#### ⑥ 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 that 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.

Continued on the following page. ↗

Continued from the preceding page. ↘

⑦ Dimensions (LxW)

Code	Dimensions (LxW)
<b>0</b>	3.6x3.5mm or 4.0x3.5mm or 5.0x3.5mm (Depends on Part Number List)
<b>1</b>	4.0x3.5mm or 4.5x3.5mm or 5.0x3.5mm (Depends on Part Number List)
<b>2</b>	5.5x4.0mm or 5.7x4.5mm (Depends on Part Number List)
<b>3</b>	5.5x5.0mm or 6.0x5.5mm (Depends on Part Number List)
<b>4</b>	7.5x5.5mm
<b>5</b>	7.5x7.5mm (DC630V, DC1kV: 7.5x8.0mm)
<b>U</b>	7.7x12.5mm (DC630V, DC1kV: 7.7x13.0mm)
<b>W</b>	5.5x7.5mm

⑧ Lead Style

Code	Lead Style	Lead Spacing
<b>A2</b>	Straight Long	2.5mm
<b>B1</b>	Straight Long	5.0mm
<b>DB/DG</b>	Straight Taping	2.5mm
<b>E1</b>	Straight Taping	5.0mm
<b>K1</b>	Inside Crimp	5.0mm
<b>M1/M2</b>	Inside Crimp Taping	5.0mm
<b>P1</b>	Outside Crimp	2.5mm
<b>S1</b>	Outside Crimp Taping	2.5mm

⑨ Individual Specification Code

Expressed by three figures

⑩ Packaging

Code	Packaging
<b>A</b>	Ammo Pack
<b>B</b>	Bulk