Part Numbering

Leaded MLCC

(Part Number)

RC	E	R7	1H	104	K	0	M1	H03	A
❶	❷	❸	❹	❺	❻	❼	❽	❾	❿

❶Product ID / ❷Series/Terminal

Product ID	Series/Terminal	
RH	E	150°C Operation Leaded MLCC for Automotive (DC50V-DC100V)
RH	S	175°C/200°C Operation Leaded MLCC for Automotive (DC100V-DC500V)
RD	E	Leaded MLCC for General Purpose (DC25V-DC1kV)
RC	E	Leaded MLCC for Automotive (DC25V-DC100V)

❸Temperature 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	
7G	CCG	*1	25°C	−55 to 25°C	0+30/−72ppm/°C	−55 to 200°C
				25 to 125°C	0±30ppm/°C	
				125 to 200°C	0+72/−30ppm/°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
L1	XAL	*1	25°C	−55 to 175°C	+15%, −40%	−55 to 175°C
L8	X8L	*1	25°C	−55 to 150°C	+15%, −40%	−55 to 150°C
N1	XAN	*1	25°C	−55 to 175°C	+15%, −60%	−55 to 175°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

❹Rated Voltage

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

❻Capacitance Tolerance

Code	Capacitance Tolerance
C	±0.25pF
D	±0.5pF
J	±5%
K	±10%
M	±20%

❺Capacitance

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.

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❼Dimensions (LxW)

Code	Dimensions (LxW)	
0	**RCE** Series	3.6x3.5mm max.
	RHE Series	
	RHS Series	3.9x3.5mm max.
	RDE Series	4.0x3.5mm max. or 5.0x3.5mm max. (Depends on Part Number List)
1	**RCE** Series	4.0x3.5mm max.
	RHE Series	
	RHS Series	4.2x3.5mm max.
	RDE Series	4.5x3.5mm max. or 5.0x3.5mm max. (Depends on Part Number List)
2	5.5x4.0mm max.	
3	5.5x5.0mm max.	
4	7.5x5.5mm max.	
5	7.5x7.5mm max. (DC630V, DC1kV: 7.5x8.0mm max.)	
U	7.5x12.5mm max. (DC630V, DC1kV: 7.5x13.0mm max.)	
W	5.5x7.5mm max.	

❽Lead Style

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

❾Individual Specification Code

Expressed by three figures

❿Packaging

Code	Packaging
A	Ammo Pack
B	Bulk