Part Numbering

Leaded MLCC

(Part Number)

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

❶Series/Terminal

Code	
RHE	150°C Operation Leaded MLCC for Automotive (50Vdc-100Vdc)
RHS	200°C Operation Leaded MLCC for Automotive (100Vdc-500Vdc)
RDE	Leaded MLCC for General Purpose (25Vdc-1kVdc)
RCE	Leaded MLCC for Automotive (25Vdc-100Vdc)

❷Temperature 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
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
Q9	**X9Q**	*1	25°C	–55 to 200°C	+15%, –70%	–55 to 200°C

*1 Murata Temperature Characteristic Code.
*2 Rated Voltage 100Vdc max: 25 to 85°C

❸Rated Voltage

Code	Rated Voltage
1E	25Vdc
1H	50Vdc
2A	100Vdc
2D	200Vdc
2E	250Vdc
2W	450Vdc
2H	500Vdc
2J	630Vdc
3A	1kVdc

❹Capacitance

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.

❺Capacitance Tolerance

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

Continued on the following page.↗

(Part Number) RCE ❶ | R7 ❷ | 1H ❸ | 104 ❹ | K ❺ | 0 ❻ | M1 ❼ | H03 ❽ | A ❾

Continued from the preceding page. ↘

❻Dimensions (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. (630Vdc, 1kVdc: 7.5x8.0mm max.)	
U	7.5x12.5mm max. (630Vdc, 1kVdc: 7.5x13.0mm max.)	
W	5.5x7.5mm max.	

❼Lead 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

❽Individual Specification Code

Expressed by three figures

❾Packaging

Code	Packaging
A	Ammo Pack
B	Bulk