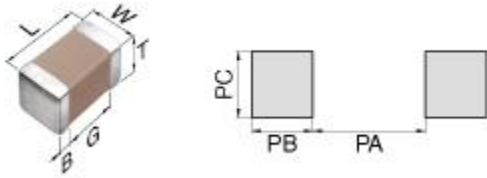


Multilayer Ceramic Chip Capacitors



Size

Length(L)	1.60mm +/-0.10mm
Width(W)	0.80mm +/-0.10mm
Thickness(T)	0.80mm +/-0.10mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.30mm Min.
Recommended Land Pattern(PA)	0.70 to 1.00mm (Flow Soldering) 0.60 to 0.80mm (Reflow Soldering)
Recommended Land Pattern(PB)	0.80 to 1.00mm (Flow Soldering) 0.60 to 0.80mm (Reflow Soldering)
Recommended Land Pattern(PC)	0.60 to 0.80mm (Flow Soldering) 0.60 to 0.80mm (Reflow Soldering)
Recommended Slit Pattern(SD)	

Electrical Characteristics

Capacitance	100nF +/-20%
Rated Voltage	25Vdc
Temperature Characteristic	X7R(+/-15%)
Dissipation Factor	3% Max.
Insulation Resistance	5000MΩ Min.

Other

Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000Pcs Min.

Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

Impedance

C1608X7R1E104M080AA



ESR

C1608X7R1E104M080AA



Capacitance

C1608X7R1E104M080AA



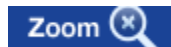
DC-Bias Characteristic

C1608X7R1E104M080AA



Temperature Characteristic

C1608X7R1E104M080AA(DC Bias = 0V) C1608X7R1E104M080AA(DC Bias = 12.5V)



Ripple Temperature Rising

C1608X7R1E104M080AA(100kHz) C1608X7R1E104M080AA(500kHz)

C1608X7R1E104M080AA(1MHz)