

Panasonic Industrial Company Electronic Components

MLCC - Multi-Layer Ceramic Chip Capacitors

	Series	Appearance	Case Size (EIA)	Operating Voltage (VDC)	Temperature Characteristics	Capacitance Range	Features
Large Capacitance Values	ECJ-0		0402	6.3, 10V	X5R, Y5V	1 μ F to 2.2 μ F	<ul style="list-style-type: none"> ● High cap in small case sizes (2.2μF in 0402, 10μF in 0603, 22 μF in 0805) ● Low ESR/ESL ● High ripple current capability ● High reliability ● Non-polarity
	ECJ-1		0603	6.3, 10, 16V	X5R, Y5V	1 μ F to 10 μ F	
	ECJ-2		0805	6.3, 10, 16, 25V	X5R, Y5V	1 μ F to 22 μ F	
	ECJ-3		1206	6.3, 10, 16, 25V	X7R, X5R, Y5V	1 μ F to 22 μ F	
Standard Capacitance Values	ECJ-Z		0201	6.3, 10, 16, 25V	X5R, X7R, Y5V, C0K, C0J, C0H, C0G, SL/GP	0.5 pF to 0.22 μ F	<ul style="list-style-type: none"> ● Wide selection ● Small case size (0201) ● High reliability ● Non-polarity
	ECJ-0		0402	6.3, 10, 16, 25, 50V		0.5 pF to 0.47 μ F	
	ECJ-1		0603	6.3, 10, 16, 25, 50V		0.5 pF to 0.47 μ F	
	ECJ-2		0805	6.3, 10, 16, 25, 50V		27 pF to 0.47 μ F	
	ECJ-3		1206	6.3, 10, 16, 25, 50V		3300 pF to 0.68 μ F	
Low Profile	ECJ-G		0805	6.3, 10, 16V	X5R	1 μ F to 4.7 μ F	● H = 0.85 \pm 0.1 mm
	ECJ-H		1206	6.3, 10V		1 μ F to 10 μ F 2.2 μ F to 22 μ F	● H = 0.85 \pm 0.1 mm
Reverse-Geometry Wide terminations	ECY-2		0508	10, 25, 50V	X5R	0.01 μ F to 1 μ F	● Very low ESR/ESL
	ECY-3		0612	6.3, 16, 50V		0.1 μ F to 10 μ F	
Mid-range Voltages	ECJ-1__2A		0603	100V	C0H, X7R	10 pF to 1000 pF	<ul style="list-style-type: none"> ● Suitable for mid-voltage applications ● High reliability ● Non-polarity
	ECJ-1__2D			200V		220 pF to 1000 pF	
	ECJ-2__2A		0805	100V		10 pF to 0.015 μ F	
	ECJ-2__2D			200V		10 pF to 0.01 μ F	
	ECJ-3__2A		1206	100V		1500 pF to 0.1 μ F	
	ECJ-3__2D			200V		470 pF to 0.022 μ F	
High Voltage	ECJ-3__2J		1206	630V	C0H, X7R	100 pF to 0.01 μ F	● Suitable for high-voltage applications
Microwave (High Q)	ECD		0201	25V	C0G	0.1 pF to 5.6 pF	<ul style="list-style-type: none"> ● Very high Q, at high frequencies (GHz) ● Tight tolerance ● Wide range up to 15 pF with small steps between values
			0402			0.1 pF to 15 pF	
Arrays	ECJ-U		0405	6.3 ~ 50V	C0H, X7R, X5R	10 pF to 1 μ F	● 2 capacitors in 1 pkg for low part number count
	ECJ-T		0805	16, 25, 50V	C0H	10 pF to 220 pF	● 4 capacitors in 1 pkg for low part number count
	ECJ-T		0805	16, 25, 50V	C0H, X7R, Y5V	10 pF to 0.1 μ F	
	ECJ-R		1206	10, 16, 25, 50V	C0H, X7R, Y5V	10 pF to 1 μ F	

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