















CERAMIC CAPACITORS

		Part Number	Appearance	Case Size (EIA)	Operating Voltage (V _{DC})	Temperature Characteristics	Capacitance Range	Features
Multi-Layer Ceramic Chip (MLCC) Capacitors	Large Capacitance Values	ECJ0xxxxxx5x		0402	6.3V	X5R, Y5V	1 μF, 2.2 μF	<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
		ECJ1xxxxxx5x		0603	6.3, 10, 16V	X5R, Y5V	1 μF to 10 μF	
		ECJ2xxxxxx5x		0805	6.3, 10, 16, 25V	X5R, Y5V	1 μF to 22 μF	
		ECJ2xxxxxx6x			1 μF to 22 μF			
		ECJ3xxxxxx5x		1206	6.3, 10, 16, 25V	X7R, X5R, Y5V	1 μF to 22 μF	
		ECJ3xxxxxx6x			1 μF to 22 μF			
	Standard Capacitance Values	ECJZxxxxxxxx		0201	6.3, 10, 16, 25V	X5R, X7R, Y5V, C0K, C0J, C0H, C0G, SL/GP	0.5 pF to 0.1 μF	<ul style="list-style-type: none"> ● Wide selection ● Small case size (0201) ● High reliability ● Non-polarity
		ECJ0xxxxxxxx		0402	6.3, 10, 16, 25, 50V		0.5 pF to 0.47 μF	
		ECJ1xxxxxxxx		0603	6.3, 10, 16, 25, 50V		0.5 pF to 0.47 μF	
		ECJ2xxxxxxxx		0805	6.3, 10, 16, 25, 50V		27 pF to 0.47 μF	
		ECJ3xxxxxxxx		1206	6.3, 10, 16, 25, 50V		3300 pF to 0.47 μF	
	Low Profile	ECJGxxxxxxxx		0805	6.3, 16V	X5R	1 μF to 4.7 μF	● H = 0.85 ± 0.1 mm
		ECJHxxxxxxxx		1206	6.3, 10V		1 μF to 22 μF	● H = 0.85 ± 0.1 mm
		ECJ8xxxxxxxx		1210	10, 16, 25V		2.2 μF to 10 μF	● H = 1.40 ± 0.1 mm
	Reverse-Geometry Wide terminations	ECY2xxxxxxxx		0508	10, 25, 50V	X5R	0.01 μF to 1 μF	● Very low ESR/ESL
		ECY3xxxxxxxx		0612	16, 50V		0.1 μF to 1 μF	
	Mid-range Voltages	ECJ1xx2Axxxx		0603	100V	C0H, X7R	10 pF to 1000 pF	<ul style="list-style-type: none"> ● Suitable for mid-voltage applications ● High reliability ● Non-polarity
		ECJ1xx2Dxxxx			200V		220 pF to 1000 pF	
		ECJ2xx2Axxxx		0805	100V		10 pF to 0.015 μF	
		ECJ2xx2Dxxxx			200V		10 pF to 0.01 μF	
		ECJ3xx2Axxxx		1206	100V		1500 pF to 0.1 μF	
		ECJ3xx2Dxxxx			200V		470 pF to 0.022 μF	
		ECJ4xx2Axxxx		1210	100V		0.22 μF to 0.68 μF	
	High Voltage	ECJ3xx2Jxxxx		1206	630V	X7R	1000 pF to 0.01 μF	● Suitable for high-voltage applications
Microwave (High Q)	ECDxxxxxxxx		0201	25V	C0G	0.1 pF to 5.6 pF	● Very high Q, at high frequencies (GHz)	
			0402	25V	C0G	0.1 pF to 15 pF	● Tight tolerance ● Wide range up to 15 pF with small steps between values	
Array (4 per pkg)	ECJUxxxxxxxx		0405	6.3 ~ 50V	C0H, X7R, X5R	10 pF to 1 μF	● 2 capacitors in 1 pkg for low part number count	
	ECJTxxxxxxxx		0805	50V	C0H	10 pF to 220 pF	● 4 capacitors in 1 pkg for low part number count	
	ECJTxxxxxxxx		0805	16, 25, 50V	X7R, Y5V	470 pF to 0.1 μF		
	ECJRxxxxxxxx		1206	10, 16, 25, 50V	C0H, X7R, Y5V	10 pF to 1 μF		

NOTE: These parts are RoHS compliant.

Design and specifications are subject to change without notice. Please review technical specifications before purchase. For any safety concerns regarding this product, please contact us immediately for technical consultation.

		Part Number	Appearance	Series	Operating Voltage	Temperature Characteristics	Capacitance Range	Features
Ceramic Capacitors	High Voltage (AC, Pulse, and Low Loss Applications)	ECCxHTxxxKG		HT-KG	500VDC	SL/GP	10 pF to 470 pF	● Class I Dielectric with Temperature Coefficient: +350 to -1000 ppm/°C
		ECKxHTxxxxKB		HT-KB		Y5P	100 pF to 4,700 pF	● Class II Dielectric with Temperature Coefficient: ±10%
		ECKxHTxxxKC		HT-KC		Y5S	100 pF to 4,700 pF	● Class II Dielectric with Temperature Coefficient: ±22%
		ECCx3xxxxKGE		KGE	SL/GP	12 pF to 470 pF	● Class I Dielectric with Temperature Coefficient: +350 to -1000 ppm/°C	
		ECKx3xxxxKBP		KBP	Y5P	100 pF to 5,600 pF	● Class II Dielectric with Temperature Coefficient: ±10%	
		ECKx3xxxxKRP		KRP	Y5R	100 pF to 4,700 pF	● Class II Dielectric with Temperature Coefficient: ±22%	
	High Voltage (DC Applications)	ECKxSxxxxKB		KB	1kVDC - 3kVDC	Y5P	100 pF to 4,700 pF	● From 6 mm to 14.5 mm in size
		ECKx3xxxxMEH		MEH		Y5U	680 pF to 0.01 μF	● From 7 mm to 16.5 mm in size
		ECKD4xxxxMDV		MDV	10, 12, 15kVDC	Y5T	100 pF to 0.01 μF	● Very high voltage ratings
		ECCT3xxxxxx		Hi-V SMD	1kVDC - 5kVDC	SL/GP	10 pF to 68 pF	● Molded SMD case for reflow soldering
		ECKT3xxxxxx				Y5P	100 pF to 470 pF	
	Interference Suppression 'Safety' Capacitors	ECKxNAxxxxx		NS-A	250 / 440V _{AC}	Y5P, Y5U	100 pF to 4,700 pF	● UL/CSA/IEC X1/Y1 approval, 4000 VAC for 1 minute
		ECKxTSxxxxx		TS		Y5P, Y5U, Y5V	100 pF to 0.01 μF	● UL/CSA/IEC X1/Y2 approval, 2600 VAC for 1 minute
		ECKxVSxxxxx		VS		GP/SL	10 pF to 68 pF	● UL/CSA/SEMCO X1/Y2 approval, 1500 VAC for 1 minute ● 5 mm lead spacing
		ECCTBCxxxxx	BC	250V _{AC}	SL/GP	10 pF to 68 pF	● UL(CSA)/SEMCO Y2 approval, 1500 VAC for 1 minute ● SMD (7.1 x 6.3 x 2.5 mm)	
		ECKTBCxxxxx			Y5P, Y5U, Y5V	100 pF to 4,700 pF		
		ECCTFCxxxxx		FC	250V _{AC}	SL/GP	5 pF to 330 pF	● UL(CSA)/SEMCO Y2 approval, 1500 VAC for 1 minute ● SMD, small size (5.7 x 4.5 x 2.3 mm)
		ECKTFCxxxxx				Y5P, Y5U, Y5V	470 pF to 4,700 pF	

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