

Ceramic Disc Capacitors



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Specification Table

Voltage (DC)	Capacitance (picofarads)	Tolerance	Temperature Characteristics	Temperature Coefficient	Operating Temperature	Part Number
1 kV	100	±20%	SL	+100ppm, -750ppm	-55°C to +125°C	MCCC1KV101MSL
1 kV	2200	±20%	Z5U	+22%, -56%	+10°C to +85°C	MCCC1KV222MZ5U
100 V	10000	±5%	Y5P	±10%	-30°C to +85°C	MCCC100V103JY5P
100 V	10000	±10%	Y5P	±10%	-30°C to +85°C	MCCC100V103KY5P
100 V	100000	±10%	Y5P	±10%	-30°C to +85°C	MCCC100V104KY5P
100 V	4700	±10%	Y5P	±10%	-30°C to +85°C	MCCC100V472KY5P
100 V	47000	±10%	Y5P	±10%	-30°C to +85°C	MCCC100V473KY5P
200 V	1000	±10%	Y5P	±10%	-30°C to +85°C	MCCC200V102KY5P
200 V	10000	±10%	Y5P	±10%	-30°C to +85°C	MCCC200V103KY5P
250 V	50000	±20%	Y5U	+22%, -56%	-30°C to +85°C	MCCC250V503MY5U
3 kV	150	±20%	X7R	±15%	-55°C to +125°C	MCCC3KV151MX7R
50 V	100000	±10%	Y5P	±10%	-30°C to +85°C	MCCC50V104KY5P
50 V	22000	±10%	Y5P	±10%	-30°C to +85°C	MCCC50V223KY5P
50 V	220000	±10%	Y5U	+22%, -56%	-30°C to +85°C	MCCC50V224KY5U
50 V	47000	±10%	Y5P	±10%	-30°C to +85°C	MCCC50V473KY5P
600 V	50000	±10%	Y5V	+22%, -82%	-30°C to +85°C	MCCC600V503MY5V
100 V	100	±20%	SL	+100ppm, -750ppm	-55°C to +125°C	MCCC100V101JSL
1.5 kV	22	±5%	NPO	±30ppm	-55°C to +125°C	MCCC1500V220JNPO
1.5 kV	27	±5%	NPO	±30ppm	-55°C to +125°C	MCCC1500V270JNPO
50V	22	±5%	NPO	±30ppm	-55°C to +125°C	MCCC50V220JNPO

Part Number Explanation

MC	CC	100 V	103	J	Y5P
Series	DC Voltage	Capacitance	Tolerance	Temperature Characteristics	Temperature Coefficient
	50 V 100 V 200 V 250 V 600 V 1 kV 1.5 kV 3 kV	The first two digits are the significant figures. The third is the number of zeros to follow	J = ±5% K = ±10% M = ±20%	SL	+100ppm, -750ppm
				NPO	± 30ppm
				X7R	± 15%
				Y5P	±10%
				Y5U	+22%, -56%
				Y5V	+22%, -82%
				Z5U	+22%, -56%
					Operating Temperature
					-55°C to +125°C
					-55°C to +125°C
					-55°C to +125°C
					-30°C to +85°C
					-30°C to +85°C
					-30°C to +85°C
					+10°C to +85°C

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