

# HIGH VOLTAGE SURFACE MOUNT MLCCs 500 - 5,000 VDC



These high voltage capacitors feature a special internal electrode design which reduces voltage concentrations by distributing voltage gradients throughout the entire capacitor. This unique design also affords increased capacitance values in a given case size and voltage rating. The capacitors are designed and manufactured to the general requirement of EIA198 and are subjected to a 100% electrical testing making them well suited for a wide variety of telecommunication, commercial, and industrial applications.

## APPLICATIONS

- Analog & Digital Modems
- LAN/WAN Interface
- Lighting Ballast Circuits
- Voltage Multipliers
- DC-DC Converters
- Back-lighting Inverters

CASE SIZE	DC VOLTS	CAPACITANCE VALUES																																
		10 pF	12 pF	15 pF	18 pF	22 pF	33 pF	47 pF	100 pF	120 pF	180 pF	220 pF	330 pF	470 pF	1000 pF	1200 pF	1500 pF	1800 pF	2200 pF	2700 pF	3300 pF	3900 pF	4700 pF	5600 pF	8200 pF	0.10 μF	0.15 μF	0.18 μF	0.22 μF	0.27 μF	0.47 μF	0.68 μF	0.10 μF	0.12 μF
<b>R15 / 0805</b> Inches (mm) L .080 ±.010 (2.03 ±.25) W .050 ±.010 (1.27 ±.25) T .050 Max. (1.27) E/B .020 ±.010 (0.51±.25)	500	[Bar chart showing capacitance values for R15 / 0805 at 500VDC]																																
	1,000	[Bar chart showing capacitance values for R15 / 0805 at 1,000VDC]																																
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<b>R18 / 1206</b> Inches (mm) L .125 ±.010 (3.17 ±.25) W .062 ±.010 (1.57 ±.25) T .055 Max. (1.40) E/B .020 ±.010 (0.51±.25)	500	[Bar chart showing capacitance values for R18 / 1206 at 500VDC]																																
	1,000	[Bar chart showing capacitance values for R18 / 1206 at 1,000VDC]																																
	2,000	[Bar chart showing capacitance values for R18 / 1206 at 2,000VDC]																																
	2,000	[Bar chart showing capacitance values for R18 / 1206 at 2,000VDC]																																
<b>S41 / 1210</b> Inches (mm) L .125 ±.010 (3.18 ±.25) W .095 ±.010 (2.41 ±.25) T .065 Max. (1.65) E/B .020 ±.010 (0.51±.25)	500	[Bar chart showing capacitance values for S41 / 1210 at 500VDC]																																
	1,000	[Bar chart showing capacitance values for S41 / 1210 at 1,000VDC]																																
	2,000	[Bar chart showing capacitance values for S41 / 1210 at 2,000VDC]																																
	2,000	[Bar chart showing capacitance values for S41 / 1210 at 2,000VDC]																																
<b>R29 / 1808</b> Inches (mm) L .180 ±.010 (4.57 ±.25) W .080 ±.010 (2.41 ±.25) T .065 Max. (1.65) E/B .020 ±.010 (0.51±.25)	500	[Bar chart showing capacitance values for R29 / 1808 at 500VDC]																																
	1,000	[Bar chart showing capacitance values for R29 / 1808 at 1,000VDC]																																
	2,000	[Bar chart showing capacitance values for R29 / 1808 at 2,000VDC]																																
	3,000	[Bar chart showing capacitance values for R29 / 1808 at 3,000VDC]																																
	4,000	[Bar chart showing capacitance values for R29 / 1808 at 4,000VDC]																																
<b>S43 / 1812</b> Inches (mm) L .175 ±.010 (4.45 ±.25) W .125 ±.010 (3.17 ±.25) T .085 Max. (2.16) E/B .025 ±.015 (0.64±.38)	500	[Bar chart showing capacitance values for S43 / 1812 at 500VDC]																																
	1,000	[Bar chart showing capacitance values for S43 / 1812 at 1,000VDC]																																
	2,000	[Bar chart showing capacitance values for S43 / 1812 at 2,000VDC]																																
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