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Vishay Extends Range of HV High Voltage Series MLCCs

As is the case with many electronic designs, high voltage applications are moving toward components in smaller case sizes, while still requiring voltages from 500 V to as high as 8 kV. Vishay's HV Series of MLCCs already offers products with ratings up to the 8 kV level in a 3640 case size. Now we've extended their available case sizes down to 1206 with voltage ratings as high as 2 kV. In addition,

As with existing HV Series products, devices in the extended range also offer a robust serial electrode design, as well as a polymer termination option to mitigate board-flex issues.

Dielectric	Added Values Case Size	Added Voltage		Min.	Max.
		Min.	Max.		
COG (NPO)	1206	10 pF	120 pF	500 V	1500 V
	1210	10 pF	120 pF	500 V	2000 V
	1808	27 pF	220 pF	500 V	3000 V
	1812	15 pF	1.8 nF	500 V	2000 V
	1825	15 pF	2.2 nF	500 V	3000 V
X7R	1206	270 pF	4.7 nF	500 V	2000 V
	1210	390 pF	10 nF	500 V	2000 V
	1808	47 pF	18 nF	500 V	3000 V
	1812	150 pF	27 nF	500 V	5000 V
	1825	330 pF	56 nF	500 V	3000 V
	2220	390 pF	82 nF	500 V	5000 V
	2225	470 pF	100 nF	500 V	5000 V
	3040	33 nF	220 nF	500 V	1500 V
	3640	470 pF	390 nF	500 V	8000 V
	4044	100 nF	560 nF	500 V	1500 V

Useful Links

- HV product page www.vishay.com/ppg?45228
- HV Infographic www.vishay.com/doc?48630

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