



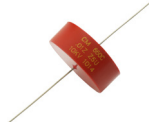







CERAMIC CAPACITORS

Ceramic High Voltage Capacitors

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Ceramic High Voltage Capacitors

	Product Family	Series	Rated Voltage		Capacitance	Tolerance	Class	Temperature Characteristics	Dissipation Factor
Ring Style	 Vishay Draloric	HR	2.0 kV _p to 5.6 kV _p		100 pF	± 20 %	1	U2J (N750)	0.07 %
					750 pF to 1.5 nF				
					2.0 nF to 5.0 nF	+50 % / -20 %	2	Y5U	2.5 %
Axial Leads, Molded Epoxy Cases	 Vishay Cera-Mite	660*AZ	10 kV _{DC}	3.5 kV _{RMS}	470 pF to 2.0 nF	± 20 %	1	T3M (N4700)	0.2 %
			15 kV _{DC}	5.3 kV _{RMS}	390 pF to 1.5 nF				
			20 kV _{DC}	7.0 kV _{RMS}	220 pF to 1.0 nF				
			30 kV _{DC}	10.6 kV _{RMS} up to 60 Hz	180 pF to 680 pF				
	 Vishay Cera-Mite	660*AC 660*AE	10 kV _{DC}	3.5 kV _{RMS}	180 pF to 10 nF	± 20 % +80 % / -20 %	2	X7R, Z5U	2.0 %
			15 kV _{DC}	5.3 kV _{RMS}	100 pF to 6.8 nF				
			20 kV _{DC}	7.0 kV _{RMS}	100 pF to 5.0 nF				
			30 kV _{DC}	10.6 kV _{RMS} up to 60 Hz	100 pF to 3.3 nF				
Disc Capacitors	 Vishay Cera-Mite	715 KT	10 kV _{DC}	7.0 kV _{RMS}	560 pF to 8.0 nF	± 20 %	1	T3M (N4700)	0.2 %
			15 kV _{DC}	10 kV _{RMS}	370 pF to 5.3 nF				
			20 kV _{DC}	14.0 kV _{RMS}	200 pF to 4.0 nF				
			30 kV _{DC}	20.0 kV _{RMS}	190 pF to 2.7 nF				
			40 kV _{DC}	27.0 kV _{RMS}	100 pF to 2.0 nF				
	 Vishay Cera-Mite	715 DK	10 kV _{DC}	3.5 kV _{RMS}	10 nF to 20 nF	+80 % / -20 %	2	Y5U	2.0 %
			15 kV _{DC}	5.3 kV _{RMS}	1.5 nF to 10 nF				
			20 kV _{DC}	7.0 kV _{RMS}	500 pF to 6.8 nF				
			30 kV _{DC}	10.6 kV _{RMS}	500 pF to 4.7 nF				
			40 kV _{DC}	14.0 kV _{RMS} up to 60 Hz	300 pF to 3.3 nF				
Radial Leads, Epoxy Coating	 Vishay Roederstein	HVCC	10 kV _{DC}		100 pF to 2 nF	± 20 %	2	Y6P	1.5 %
			15 kV _{DC}						
			20 kV _{DC}						
	 Vishay Cera-Mite	615R	10 kV _{DC}		250 pF to 1 nF	± 20 %	1	T3M (N4700)	0.2 %
					100 pF to 3.3 nF	+80 % / -20 %	2	X5F, Y5R, Y5U, Z5U	2.0 %
			15 kV _{DC}		100 pF to 750 pF	± 20 %	1	T3M (N4700)	0.2 %
					100 pF to 2.5 nF	+80 % / -20 %	2	X5F, Y5R, Y5U, Z5U	2.0 %
	 Vishay Draloric	HIK	15 kV _{DC}		100 pF to 1.5 nF	± 20 %	2	Y5T	0.5 %

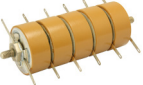


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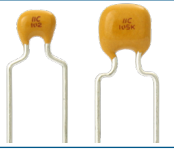

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Ceramic Voltage Multiplier Sets

		Product Family	Series	Rated Voltage per Disc	Nominal Diameter	Capacitance per Disc	Tolerance	Class	Temperature Characteristics	Number of Discs
Voltage Multiplier Sets / Stacks	Capacitor Stacks for Voltage Multiplier Circuits		RHS , RHD (GDMQ)	8.0 kV _p	7.7 mm	250 pF	+40 % / -20 %	2	X7R	4 to 12
				10 kV _p	8.8 mm	125 pF to 250 pF				3 to 12
			RHS (GFMQ, GFWQ)	8.0 kV _p	10.5 mm	500 pF	± 20 %		Y5U	4 to 8
				8.0 kV _p	10.5 mm	370 pF			X7R	10 to 12
			RHS (GFMM)	11 kV _p to 19 kV _p	12.0 mm	500 pF	± 20 %		X7R	8 to 12
RHS (GFMM)	11 kV _p to 19 kV _p	27 mm	1.3 nF to 2.2 nF	+60 % / -10 %	Y5U	5 to 7				
Voltage Multiplier Sets (Cascades)	Custom Voltage Multiplier Sets (Cascades)	Vishay Draloric	RHK	Vishay has the facilities to produce custom style voltage multiplier sets: <ul style="list-style-type: none"> • Build from two or more stacks • Completely soldered, with HV diodes and resistors • If you have an application with a non-standard requirement, contact us and our design team will work with you to find the right solution: cdc@vishay.com 						

Leaded MLCCs

		Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics
Leaded MLCCs	General Purpose		Axial-Leaded MLCCs A Series	50 V _{DC} to 500 V _{DC}	10 pF to 1.0 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	COG (NP0), X7R
			Radial-Leaded MLCCs K Series	50 V _{DC} to 500 V _{DC}	10 pF to 1.0 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	COG (NP0), X7R
	Automotive		Axial-Leaded MLCCs A...R Series	50 V _{DC} to 200 V _{DC}	100 pF to 1 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	COG (NP0), X7R, X8R
			Radial-Leaded MLCCs K...R Series	50 V _{DC} to 200 V _{DC}	100 pF to 1 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	COG (NP0), X7R, X8R
			High Operating Temperature Radial-Leaded MLCCs K...H Series	50 V _{DC} to 200 V _{DC}	100 pF to 1 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	COG (NP0), X0U