

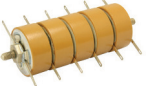

Ceramic Capacitors

Ceramic High-Voltage Capacitors





	Product Family	Series	Related Voltage		Capacitance	Tolerance	Class	Temperature Characteristics	Dissipation Factor	
Disc Capacitors	Vishay Draloric 	HR	2.0 kV _P to 5.6 kV _P		100 pF	± 20 %	1	U2J (N750)	0.07 %	
					2.0 nF to 5.0 nF					
					750 pF to 1.5 nF	+ 50 %/-20 %	2	Y5U	0.5 %	
	Axial Screw Terminals, Laquered	Vishay Draloric 	HPD	20 kV _{DC}	15 kV _{RMS} up to 120 Hz	350 pF to 5.0 nF	± 20 %	2	Z5U	0.5 %
	Axial Screw Terminals, Silicone Elastomer Coating	Vishay Draloric 	HPC	20 kV _{DC}	15 kV _{RMS} up to 120 Hz	350 pF to 5.0 nF	± 20 %	2	Z5U	0.5 %
	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}	1.0 nF to 10 nF	± 20 % +80 %/-20 %	2	X7R Z5U	2.0%
				15 kV _{DC}	5.3 kV _{RMS}	680 pF to 6.8 nF				
20 kV _{DC}				7.0 kV _{RMS}	470 pF to 5.0 nF					
30 kV _{DC}				10.6 kV _{RMS} up to 60 Hz	330 pF to 3.3 nF					
Axial Screw Terminals, Molded Epoxy Case	Vishay Cera-Mite 	715*KT	10 kV _{DC}	3.5 kV _{RMS}	560 pF to 8.0 nF	± 20 %	1	T3M (N4700)	0.2 %	
			15 kV _{DC}	5.3 kV _{RMS}	370 pF to 5.3 nF					
			20 kV _{DC}	7.0 kV _{RMS}	280 pF to 4.0 nF					
			30 kV _{DC}	10.6 kV _{RMS}	190 pF to 2.7 nF					
	Vishay Cera-Mite 	715*DK	15 kV _{DC}	5.3 kV _{RMS}	1.3 nF to 10 nF	+80 %/-20 %	2	X5E Y5U	2.0 %	
			20 kV _{DC}	7.0 kV _{RMS}	470 pF to 10 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	100 pF to 3.5 nF					
Radial Leads, Epoxy Coating	Vishay Cera-Mite 	615*GA	10 kV _{DC}		250 pF to 3.3 nF	± 20 % +80 %/-20 %	1	T3M (N4700)	0.2 %	
			15 kV _{DC}		100 pF to 2.5 nF		2	X5F, Y5R, Y5U, Z5U	2.0 %	
	Vishay Draloric 	HIK	15 kV _{DC}		100 pF to 1.5 nF	± 20 %	2	Y5T	0.5 %	
		IEL	25 kV _{DC}		12 pF to 36 pF	± 20 %	1	U2J (N750), R3L (N2200)	0.5 %	

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Ceramic Voltage Multiplier Sets

		Product Family	Series	Rated Voltage per Disc	Nominal Diameter	Capacitance per Disc	Tolerance	Class	Temperature Characteristics	Dissipation Factor	
Voltage Multiplier Sets/Stacks	Capacitor Stacks for Voltage Multiplier Circuits	 Vishay Draloric	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	370 pF	± 20 %		X7R	4 to 8	
					12.0 mm	500 pF				10 to 12	
			RHS (GFMM)	11 kV _p to 19 kV _p	25.5 mm	1.3 nF to 2.2 nF	+60 %/ -10 %		Y5U	5 to 7	
	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"> • Built 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. We will work with you to find the right solution. 							

Leaded MLCCs

		Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics
Axial- & Radial-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 % +80 %/-20 %	1 and 2 class 3: Y5V	C0G (NP0) X7R Y5V	
								 Radial-Leaded MLCCs K Series
	Automotive Grade	 Axial-Leaded MLCCs A...V Series	50 V _{DC} to 200 V _{DC}	100 pF to 1.0 μF	± 5 % ± 10 % ± 20 %	1 and 2	C0G (NP0) X7R X8R	
								 Radial-Leaded MLCCs K...V Series