













A WORLD OF SOLUTIONS

VISHAY INTERTECHNOLOGY, INC.

CERAMIC CAPACITORS

Ceramic High Voltage Capacitors

Ceramic High Voltage Capacitors

	Product Family	Series	Rated Voltage		Capacitance	Tolerance	Class	Temperature Characteristics	Dissipation Factor	
Disc Capacitors	Ring Style 	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	Z5U	2.5 %	
	Axial Screw Terminals, Laquered 	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 	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				
	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} up to 60 Hz	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	X5E Y5U	2.0 %	
			15 kV _{DC}	5.3 kV _{RMS}	1.3 nF to 10 nF					
			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 Roederstein 	HVCC	10 kV _{DC}	100 pF to 2000 pF	± 20 %	2	Y6P	1.5 %		
			15 kV _{DC}							
	Vishay Cera-Mite 	615R	10 kV _{DC}	250 pF to 3.3 nF	± 20 % +80 % / -20 %	1	S3L (N3300)	0.2 %		
			15 kV _{DC}	100 pF to 2.5 nF					2	X5F, Y5R, Y5U, Z5U
	Vishay Draloric 	HIK IEL	15 kV _{DC}	100 pF to 1.5 nF	± 20 %	2	Y5T	0.5 %		
			25 kV _{DC}	12 pF to 36 pF	± 20 %	1	U2J (N750), R3L (N2200)	0.5 %		

SELECTOR GUIDE

© 2019 VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishay.com/doc?91000



SG2170-1906
www.vishay.com



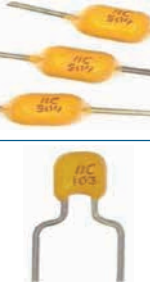

VISHAY INTERTECHNOLOGY, INC.
CERAMIC CAPACITORS

Ceramic High Voltage Capacitors

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
				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	25.5 mm	1.3 nF to 2.2 nF	+60 % / -10 %	Y5U	5 to 7			
Voltage Multiplier Sets (Cascades) Custom Voltage Multiplier Sets		RHK	<p>Vishay has the facilities to produce custom style voltage multiplier sets:</p> <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 						

Leaded MLCCs

	Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics
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	COG (NP0) X7R Y5V
		Radial Leaded MLCCs K 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	COG (NP0) X7R Y5V
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 X7R
		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 X7R
		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 X0U