



CERAMIC CAPACITORS

Ceramic High-Voltage Capacitors

Ceramic High-Voltage Capacitors

Capacitors - Ceramic High-Voltage

	Product Family	Series	Rated Voltage		Capacitance	Tolerance	Class	Temperature Characteristics	Dissipation Factor	
Ring Style	 Vishay Draloric	HR22 HR30 HR35	2.0 kV _p to 5.6 kV _p		100 pF	± 20 %	1	U2J (N750)	0.07 %	
					2.0 nF to 5.0 nF		2	Y5U	0.5 %	
					750 pF to 1.5 nF	+ 50 %/- 20 %		Z5U	2.5 %	
Axial Screw Terminals, Laquered	 Vishay Draloric	HPD 21 HPD 25 HPD 30 HPD 35 HPD 43 HPD 49 HPD 59 HPD 75	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 50 HPC 60 HPC 70 HPC 90	20 kV _{DC}	15 kV _{RMS} up to 120 Hz	350 pF to 5.0 nF	± 20 %	2	Z5U	0.5 %	
Disc Capacitors	 Vishay Cera-Mite	660*10AZ	10 kV _{DC}	3.5 kV _{RMS}	470 pF to 2.0 nF	± 20 %	1	T3M (N4700)	0.2 %	
		660*15AZ	15 kV _{DC}	5.3 kV _{RMS}	390 pF to 1.5 nF					
		660*20AZ	20 kV _{DC}	7.0 kV _{RMS}	220 pF to 1.0 nF					
		660*30AZ	30 kV _{DC}	10.6 kV _{RMS} up to 60 Hz	180 pF to 680 pF					
	 Vishay Cera-Mite	660*10AC 660*10AE	10 kV _{DC}	3.5 kV _{RMS}	1.0 nF to 10 nF	± 20 % + 80 %/- 20 %	2	X7R Y5U Z5U	2.0 %	
		660*15AC 660*15AE	15 kV _{DC}	5.3 kV _{RMS}	680 pF to 6.8 nF					
		660*20AC 660*20AE	20 kV _{DC}	7.0 kV _{RMS}	470 pF to 5.0 nF					
		660*30AC 660*30AE	30 kV _{DC}	10.6 kV _{RMS} up to 60 Hz	330 pF to 3.3 nF					
 Vishay Cera-Mite	 Vishay Cera-Mite	715C10KT	10 kV _{DC}	3.5 kV _{RMS}	560 pF to 8.0 nF	± 20 %	1	T3M (N4700)	0.2 %	
		715C15KT	15 kV _{DC}	5.3 kV _{RMS}	370 pF to 5.3 nF					
		715C20KT	20 kV _{DC}	7.0 kV _{RMS}	280 pF to 4.0 nF					
		715C30KT	30 kV _{DC}	10.6 kV _{RMS}	190 pF to 2.7 nF					
	 Vishay Cera-Mite	 Vishay Cera-Mite	715C40KT	40 kV _{DC}	14.0 kV _{RMS} up to 60 Hz	140 pF to 2.0 nF				
			715C15DK	15 kV _{DC}	5.3 kV _{RMS}	1.3 nF to 10 nF	± 80 %/- 20 %	2	X5E Y5U	2.0 %
			715C20DK	20 kV _{DC}	7.0 kV _{RMS}	470 pF to 10 nF				
			715C30DK	30 kV _{DC}	10.6 kV _{RMS}	500 pF to 4.7 nF				
715C40DK	40 kV _{DC}	14.0 kV _{RMS} up to 60 Hz	100 pF to 3.5 nF							

Note
 * 4th digit: RoHS indicator "C" = Standard type; "R" = RoHS compliant type











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
Capacitor Stacks for Voltage Multiplier Circuits		GDMQ 07..	8.0 kV _P	7.7 mm	250 pF	+ 40 %/- 20 %	2	X7R	4 to 12
		GDMQ 08..		8.8 mm	125 pF to 250 pF				3 to 12
		GDMQ 10..	10 kV _P	10.5 mm	500 pF			4 to 8	
		GF..10..	8.0 kV _P	10.5 mm	370 pF	± 20 %		X7R	10 to 12
		GF..12..		12.0 mm	500 pF			8 to 12	
		GF25..	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)		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 we will with you 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	C0G (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	C0G (NP0) X7R Y5V
Automotive		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	50 V _{DC} to 200 V _{DC}	100 pF to 1.0 μF	± 5 % ± 10 % ± 20 %	1 and 2	C0G (NP0) X7R X8R

This document can be found using the following url: www.vishay.com/doc?49175