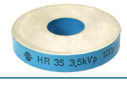






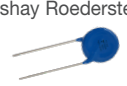




# CERAMIC CAPACITORS

## Ceramic High Voltage Capacitors

### Ceramic High Voltage Capacitors



		Product Family	Series	Rated Voltage		Capacitance	Tolerance	Class	Temperature Characteristics	Dissipation Factor	
Disc Capacitors	Ring Style	 Vishay Draloric	<a href="#">HR</a>	2.0 kV <sub>p</sub> to 5.6 kV <sub>p</sub>		100 pF	± 20 %	1	U2J (N750)	0.07 %	
						750 pF to 1.5 nF					
						2.0 nF to 5.0 nF	+50 % / -20 %	2	Z5U	0.5 %	
		Axial Screw Terminals, Laquered	 Vishay Draloric	<a href="#">HPD</a>	20 kV <sub>DC</sub>	15 kV <sub>RMS</sub> up to 120 Hz	350 pF to 5.0 nF	± 20 %	2	Z5U	0.5 %
		Axial Screw Terminals, Silicone Elastomer Coating	 Vishay Draloric	<a href="#">HPC</a>	20 kV <sub>DC</sub>	15 kV <sub>RMS</sub> up to 120 Hz	350 pF to 5.0 nF	± 20 %	2	Z5U	0.5 %
		Axial Leads, Molded Epoxy Cases	 Vishay Cera-Mite	<a href="#">660*AZ</a>	10 kV <sub>DC</sub>	3.5 kV <sub>RMS</sub>	470 pF to 2.0 nF	± 20 %	1	T3M (N4700)	0.2 %
	15 kV <sub>DC</sub>				5.3 kV <sub>RMS</sub>	390 pF to 1.5 nF					
	20 kV <sub>DC</sub>				7.0 kV <sub>RMS</sub>	220 pF to 1.0 nF					
	30 kV <sub>DC</sub>				10.6 kV <sub>RMS</sub> up to 60 Hz	180 pF to 680 pF					
		Axial Leads, Molded Epoxy Cases	 Vishay Cera-Mite	<a href="#">660*AC</a> <a href="#">660*AE</a>	10 kV <sub>DC</sub>	3.5 kV <sub>RMS</sub>	180 pF to 10 nF	± 20 % +80 % / -20 %	2	X7R, Z5U	2.0 %
	15 kV <sub>DC</sub>				5.3 kV <sub>RMS</sub>	100 pF to 6.8 nF					
	20 kV <sub>DC</sub>				7.0 kV <sub>RMS</sub>	100 pF to 5.0 nF					
	30 kV <sub>DC</sub>				10.6 kV <sub>RMS</sub> up to 60 Hz	100 pF to 3.3 nF					
		Disc Capacitors	 Vishay Cera-Mite	<a href="#">715 KT</a>	10 kV <sub>DC</sub>	7.0 kV <sub>RMS</sub>	560 pF to 8.0 nF	± 20 %	1	T3M (N4700)	0.2 %
15 kV <sub>DC</sub>	10 kV <sub>RMS</sub>				370 pF to 5.3 nF						
20 kV <sub>DC</sub>	14.0 kV <sub>RMS</sub>				200 pF to 4.0 nF						
30 kV <sub>DC</sub>	20.0 kV <sub>RMS</sub>				190 pF to 2.7 nF						
40 kV <sub>DC</sub>	27.0 kV <sub>RMS</sub>				100 pF to 2.0 nF						
50 kV <sub>DC</sub>	34.0 kV <sub>RMS</sub> up to 60 Hz				100 pF to 1.7 nF						
	Disc Capacitors		 Vishay Cera-Mite	<a href="#">715 DK</a>	10 kV <sub>DC</sub>	3.5 kV <sub>RMS</sub>	10 nF to 20 nF	+80 % / -20 %	2	Y5U	2.0 %
15 kV <sub>DC</sub>					5.3 kV <sub>RMS</sub>	1.5 nF to 10 nF					
20 kV <sub>DC</sub>					7.0 kV <sub>RMS</sub>	500 pF to 6.8 nF					
30 kV <sub>DC</sub>					10.6 kV <sub>RMS</sub>	500 pF to 4.7 nF					
	Disc Capacitors	 Vishay Roederstein	<a href="#">HVCC</a>	10 kV <sub>DC</sub>		100 pF to 2 nF	± 20 %	2	Y6P	1.5 %	
15 kV <sub>DC</sub>					100 pF to 1 nF						
20 kV <sub>DC</sub>					100 pF to 1 nF						
	Radial Leads, Epoxy Coating	 Vishay Cera-Mite	<a href="#">615R</a>	10 kV <sub>DC</sub>		250 pF to 1 nF	± 20 %	1	T3M (N4700)	0.2 %	
100 pF to 3.3 nF						± 20 %, +80 % / -20 %	2	X5F, Y5R, Y5U, Z5U	2.0 %		
15 kV <sub>DC</sub>		100 pF to 750 pF		± 20 %	1	T3M (N4700)	0.2 %				
		100 pF to 2.5 nF		± 20 %, +80 % / -20 %	2	X5F, Y5R, Y5U, Z5U	2.0 %				
		Radial Leads, Epoxy Coating		 Vishay Draloric	<a href="#">HIK</a> <a href="#">IEL</a>	15 kV <sub>DC</sub>		100 pF to 1.5 nF	± 20 %	2	Y5T
25 kV <sub>DC</sub>			12 pF to 36 pF			± 20 %	1	U2J (N750), R3L (N2200)	0.5 %		






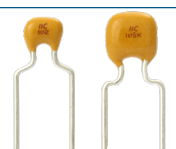
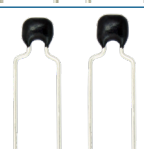
# CERAMIC CAPACITORS

## 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	 Vishay Draloric	<a href="#">RHS</a> , <a href="#">RHD (GDMQ)</a>	8.0 kV <sub>p</sub>	7.7 mm	250 pF	+40 % / -20 %	2	X7R	4 to 12
				8.8 mm	125 pF to 250 pF				3 to 12
			10 kV <sub>p</sub>	10.5 mm	500 pF			4 to 8	
		<a href="#">RHS (GFMQ, GFWQ)</a>	8.0 kV <sub>p</sub>	10.5 mm	370 pF	± 20 %		X7R	10 to 12
				12.0 mm	500 pF				8 to 12
<a href="#">RHS (GFMM)</a>	11 kV <sub>p</sub> to 19 kV <sub>p</sub>	27 mm	1.3 nF to 2.2 nF	+60 % / -10 %	Y5U	5 to 7			
Voltage Multiplier Sets (Cascades)	 Vishay Draloric	<a href="#">RHK</a>	Vishay has the facilities to produce custom style voltage multiplier sets: <ul style="list-style-type: none"> <li>• Build from two or more stacks</li> <li>• Completely soldered, with HV diodes and resistors</li> <li>• 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</li> </ul>						

### Leaded MLCCs

	Product Family	Series	Voltage	Capacitance	Tolerance	Class	Temperature Characteristics
General Purpose		<a href="#">Axial-Leaded MLCCs A Series</a>	50 V <sub>DC</sub> to 500 V <sub>DC</sub>	10 pF to 1.0 μF	± 5 %, ± 10 %, ± 20 %, +80 % / -20 %	1 and 2, class 3: Y5V	C0G (NP0), X7R, Y5V
		<a href="#">Radial-Leaded MLCCs K Series</a>	50 V <sub>DC</sub> to 500 V <sub>DC</sub>	10 pF to 1.0 μF	± 5 %, ± 10 %, ± 20 %, +80 % / -20 %	1 and 2, class 3: Y5V	C0G (NP0), X7R, Y5V
Automotive		<a href="#">Axial-Leaded MLCCs A...R Series</a>	50 V <sub>DC</sub> to 200 V <sub>DC</sub>	100 pF to 1 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	C0G (NP0), X7R, X8R
		<a href="#">Radial-Leaded MLCCs K...R Series</a>	50 V <sub>DC</sub> to 200 V <sub>DC</sub>	100 pF to 1 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	C0G (NP0), X7R, X8R
		<a href="#">High Operating Temperature Radial-Leaded MLCCs K...H Series</a>	50 V <sub>DC</sub> to 200 V <sub>DC</sub>	100 pF to 1 μF	± 5 %, ± 10 %, ± 20 %	1 and 2	C0G (NP0), X0U