








# CERAMIC CAPACITORS

## Ceramic RF Power Capacitors



### Capacitors - Ceramic RF Power

		Product Family	Series	Rated Voltage	Capacitance	Ceramic	Max. Current	Max. Reactive Power
RF Power Plate Capacitors	Contour Rim	Vishay Draloric 	<a href="#">PA, PC, PD, PE, PS</a>	2.0 kV <sub>p</sub> to 16 kV <sub>p</sub>	5.6 pF to 27 nF	Class 1 (R7, R16, R42, R85, R230) Class 2 Y5U (R3500)	5.0 A <sub>RMS</sub> to 60 A <sub>RMS</sub>	0.25 kvar to 150 kvar
	HV	Vishay Draloric 	<a href="#">FPE, FPS, FPZ, PEZ</a>	10 kV <sub>p</sub> to 30 kV <sub>p</sub> or 3.5 kV <sub>pp</sub> to 30 kV <sub>pp</sub>	50 pF to 2.5 nF	Class 1 (R16, R42, R85)	13 A <sub>RMS</sub> to 90 A <sub>RMS</sub>	10 kvar to 160 kvar
	HV Silicone Protection	Vishay Draloric 	<a href="#">PEF220</a>	12 kV <sub>p</sub> to 20 kV <sub>p</sub>	160 pF to 10 nF	Class 1 (R7, R16, R42, R85, R230)	60 A <sub>RMS</sub> to 125 A <sub>RMS</sub>	30 kvar to 140 kvar
RF Power Barrel Capacitors	General Purpose	Vishay Draloric 	<a href="#">TOS, TOF</a>	5.0 kV <sub>p</sub> to 9.0 kV <sub>p</sub> 7.5 kV <sub>DC</sub> to 15 kV <sub>DC</sub>	1.5 pF to 2.5 nF	Class 1 (R7, R16, R42, R85, COG, U2J, S8L, V8M) Class 2 X7R (R2000), Y5U (R4000)	0.3 A <sub>RMS</sub> to 26 A <sub>RMS</sub>	0.2 kvar to 35 kvar
	General Purpose	Vishay Cera-Mite 	<a href="#">5F... 7F.</a>	5.0 kV <sub>DC</sub> to 7.5 kV <sub>DC</sub>	3.0 pF to 1.0 nF	Class 1 COG (NP0), U2J (N750) Class 2 (X5U)	0.3 A <sub>RMS</sub> to 9.5 A <sub>RMS</sub>	0.15 kvar to 10 kvar
	HQ	Vishay Draloric 	<a href="#">TOSW, TOSZ</a>	9.0 kV <sub>p</sub> to 30 kV <sub>p</sub>	25 pF to 250 pF	Class 1 (R16HQ)	60 A <sub>RMS</sub> to 203 A <sub>RMS</sub>	Up to 1941 kvar
	HV	Vishay Draloric 	<a href="#">TOSZ</a>	40 kV <sub>p</sub>	1.0 nF	Class 1 (R230)	30 A <sub>RMS</sub>	40 kvar
RF Power Feed-Through Capacitors	General Purpose	Vishay Draloric 	<a href="#">DB, DBZ, DF, DGZ, DS, DWB</a>	3.0 kV <sub>p</sub> to 20 kV <sub>p</sub>	100 pF to 4.7 nF	Class 1 (R7, R16, R42, R85, R230)	4.0 A <sub>RMS</sub> to 70 A <sub>RMS</sub>	4.0 kvar to 200 kvar
	HQ	Vishay Draloric 	<a href="#">DB, DBZ, DBF</a>	20 kV <sub>p</sub> to 25 kV <sub>p</sub>	100 pF to 125 pF	Class 1 (R16HQ)	120 A <sub>RMS</sub> to 150 A <sub>RMS</sub>	550 kvar to 900 kvar
	HV	Vishay Draloric 	<a href="#">DBF</a>	20 kV <sub>p</sub> to 40 kV <sub>p</sub>	500 pF to 3.0 nF	Class 1 (R85, R230)	50 A <sub>RMS</sub> to 87 A <sub>RMS</sub>	50 kvar to 100 kvar








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RF Power Tubular Capacitors	Vishay Draloric 	<a href="#">RA, RB, RC, RD, RE</a>	2.0 kV <sub>p</sub> to 11 kV <sub>p</sub>	3.0 pF to 4.7 nF	Class 1 (R7, R16, R42, R85, R230)	4.0 A <sub>RMS</sub> to 60 A <sub>RMS</sub>	0.7 kvar to 60 kvar	
RF Power Pot Capacitors	Vishay Draloric 	General Purpose	<a href="#">TA, TB, TC, TD, TDZ, TE</a>	6.0 kV <sub>p</sub> to 15 kV <sub>p</sub>	10 pF to 6.0 nF	Class 1 (R7, R16, R42, R85, R230)	6.0 A <sub>RMS</sub> to 20 A <sub>RMS</sub>	3.5 kvar to 70 kvar
		HQ	<a href="#">TDZ, TDFZ</a>	12 kV <sub>p</sub> to 18 kV <sub>p</sub>	100 pF to 2.0 nF	Class1 (R16HQ)	65 A <sub>RMS</sub> to 290 A <sub>RMS</sub>	500 kvar to 2540 kvar
		Coupling Purposes	<a href="#">TDZ, TDFZ</a>	15 kV <sub>p</sub> to 40 kV <sub>p</sub>	2.0 nF to 15 nF	Class1 (N3300, R85, R230)	20 A <sub>RMS</sub> to 170 A <sub>RMS</sub>	12.5 kvar to 230 kvar
Watercooled RF Power Pot Capacitors	External Cooling 	<a href="#">TWX, TWXF</a>	10 kV <sub>p</sub> to 25 kV <sub>p</sub>	100 pF to 10 nF	Class 1 (R7, R16, R42, R85)	150 A <sub>RMS</sub> to 350 A <sub>RMS</sub>	1000 kvar to 4000 kvar	
	Internal Cooling 	<a href="#">TWXFZ, TWIF</a>	14 kV <sub>p</sub> to 27 kV <sub>p</sub>	1.0 nF to 10 nF	Class 1 (R42, R85)	200 A <sub>RMS</sub> to 350 A <sub>RMS</sub>		
Stand-Off Insulators	Vishay Draloric 	<a href="#">3540/6 to 35125/6</a> <a href="#">4040/6</a> <a href="#">5058/6</a>	Made of class 1 ceramic material, 40 mm to 125 mm height, 35 mm to 50 mm diameter, with massive M6 thread terminals on both ends, for RF generator equipment					

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