



CERAMIC CAPACITORS

Ceramic RF Power Capacitors

		Product Family	Series	Rated Voltage	Capacitance	Ceramic	Max. Current	Max. Reactive Power
RF Power Plate Capacitors	Contour Rim	Vishay Draloric 	PA, PC, PD, PE PS Class 1 , PS Class 2	2.0 kV _p to 16 kV _p	5.6 pF to 27 nF	Class 1 (R7, R16, R42, R85, R230) Class 2 Y5U (R3500)	5.0 A _{RMS} to 60 A _{RMS}	0.25 kvar to 150 kvar
	HV	Vishay Draloric 	FPE FPS FPZ, PEZ	10 kV _p to 30 kV _p or 3.5 kV _p to 30 kV _p	50 pF to 2.5 nF	Class 1 (R16, R42, R85)	13 A _{RMS} to 90 A _{RMS}	10 kvar to 160 kvar
	HV Silicone Protection	Vishay Draloric 	PEF220	12 kV _p to 20 kV _p	160 pF to 10 nF	Class 1 (R7, R16, R42, R85, R230)	60 A _{RMS} to 125 A _{RMS}	30 kvar to 140 kvar
RF Power Barrel Capacitors	General Purpose	Vishay Draloric 	TOS 16, 25 TOS 16, 25 TOS 20 TOS 30	5.0 kV _p to 9.0 kV _p 7.5 kV _{DC} to 15 kV _{DC}	1.5 pF to 2.5 nF	Class 1 (R7, R16, R42, R85, C0G, U2J, S8L, V8M) Class 2 X7R (R2000), Y5U (R4000)	0.3 A _{RMS} to 26 A _{RMS}	0.2 kvar to 35 kvar
		Vishay Cera-Mite 	5F. 5FAE 7FAA 7FAU	5.0 kV _{DC} to 7.5 kV _{DC}	3.0 pF to 1.0 nF	Class 1 C0G (NP0), U2J (N750) Class 2 (X5U)	0.3 A _{RMS} to 9.5 A _{RMS}	0.15 kvar to 10 kvar
	HQ	Vishay Draloric 	TOSW 118115 TOSZ 080110 TOSZ 100110 TOSZ 118078 TOSZ 118100 TOSZ 120055	9.0 kV _p to 30 kV _p	25 pF to 250 pF	Class 1 (R16HQ)	60 A _{RMS} to 203 A _{RMS}	Up to 1941 kvar
	HV		TOSZ 114096	40 kV _p	1.0 nF	Class 1 (R230)	30 A _{RMS}	40 kvar
	General Purpose	Vishay Draloric 	DB 16 DB 30 DB 45 DB 50 DBZ 12 DBZ 34 DGZ DF 16 DF 30 DS 30 DS 50 DWB 45	3.0 kV _p to 20 kV _p	100 pF to 4.7 nF	Class 1 (R7, R16, R42, R85, R230)	4.0 A _{RMS} to 70 A _{RMS}	4.0 kvar to 200 kvar
RF Power Feed-Through Capacitors	HQ	Vishay Draloric 	DB, DBZ DBF	20 kV _p to 25 kV _p	100 pF to 125 pF	Class 1 (R16HQ)	120 A _{RMS} to 150 A _{RMS}	550 kvar to 900 kvar
	HV		DBF	20 kV _p to 40 kV _p	500 pF to 3.0 nF	Class 1 (R85, R230)	50 A _{RMS} to 87 A _{RMS}	50 kvar to 100 kvar

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RF Power Tubular Capacitors	Vishay Draloric 	R. 12 R. 16 R. 20 RD 30, RD 45	2.0 kV _P to 11 kV _P	3.0 pF to 4.7 nF	Class 1 (R7, R16, R42, R85, R230)	4.0 A _{RMS} to 60 A _{RMS}	0.7 kvar to 60 kvar
RF Power Pot Capacitors	Vishay Draloric 	T. 20 T. 30 T. 45 T. 50 T. 85	6.0 kV _P to 15 kV _P	10 pF to 6.0 nF	Class 1 (R7, R16, R42, R85, R230)	6.0 A _{RMS} to 20 A _{RMS}	3.5 kvar to 70 kvar
		TDZ 45, 50 TDFZ 12	12 kV _P to 18 kV _P	100 pF to 2.0 nF	Class1 (R16HQ)	65 A _{RMS} to 290 A _{RMS}	500 kvar to 2540 kvar
		TDFZ 170 TDZ 50, 60 TDFZ 70	15 kV _P to 40 kV _P	2.0 nF to 15 nF	Class1 (N3300, R85, R230)	20 A _{RMS} to 170 A _{RMS}	12.5 kvar to 230 kvar
Watercooled RF Power Pot Capacitors	External Cooling 	TWX, TWXF	10 kV _P to 25 kV _P	100 pF to 10 nF	Class 1 (R7, R16, R42, R85)	150 A _{RMS} to 350 A _{RMS}	1000 kvar to 4000 kvar
	Internal Cooling 	TWXFZ 106 TWXFZ 140	14 kV _P to 27 kV _P	4 nF to 10 nF	Class 1 (R85)	250 A _{RMS} to 350 A _{RMS}	
	Vishay Draloric 	TWIF	14 kV _P	1.0 nF to 4.7 nF	Class 1 (R42, R85)	200 A _{RMS}	1500 kvar
Stand-Off Insulators	Vishay Draloric 	3540/6 to 35125/6 4040/6, 5058/6	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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