











CERAMIC CAPACITORS

Ceramic RF Power Capacitors







	Product Family	Series	Rated Voltage	Capacitance	Ceramic	Max. Current	Max. Reactive Power
RF Power Plate Capacitors	Contour Rim 	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 	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 	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 	TOF 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, COG, U2J, S8L, V8M) Class 2 X7R (R2000), Y5U (R4000)	0.3 A _{RMS} to 26 A _{RMS}	0.2 kvar to 35 kvar
		5F. 5FAE 7FAA 7FAU	5.0 kV _{DC} to 7.5 kV _{DC}	3.0 pF to 1.0 nF	Class 1 COG (NP0), U2J (N750) Class 2 (X5U)	0.3 A _{RMS} to 9.5 A _{RMS}	0.15 kvar to 10 kvar
	HQ 	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 	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
HQ 	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 	General Purpose	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
		HQ	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
		Coupling Purposes	TDZ 50, 60 TDFZ 70	15 kV _p to 20 kV _p	10 nF to 15 nF	Class1 (N3300, R230)	20 A _{RMS} to 40 A _{RMS}	12.5 kvar to 40 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}		
			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	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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