

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 	PA, PC, PD, PE, PS	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 _{pp} to 30 kV _{pp}	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, TOF	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 	5E, 7E	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, TOSZ	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	40 kV _p	1.0 nF	Class 1 (R230)	30 A _{RMS}	40 kvar
RF Power Feed-Through Capacitors	General Purpose	Vishay Draloric 	DB, DBZ, DF, DGF, DS, DWB	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	RA, RB, RC, RD, RE	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
	Vishay Draloric	TA, TB, TC, TD, TE	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
	Vishay Draloric	TDZ, TDFZ	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
RF Power Pot Capacitors	Vishay Draloric	TDZ, TDFZ	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
	Vishay Draloric	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
	Vishay Draloric	TWXFZ, TWIF	14 kV _p to 27 kV _p	1.0 nF to 10 nF	Class 1 (R42, R85)	200 A _{RMS} to 350 A _{RMS}	
Watercooled RF Power Pot Capacitors	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				
Stand-Off Insulators	Vishay Draloric	3540/6 to 35125/6, 4040/6, 5058/6					