



RF Power Pot Capacitors with Mounting Tags, Class 1 Ceramic



QUICK REFERENCE DATA							
DESCRIPTION	VALUE						
Ceramic Class	1						
Ceramic Dielectric	R7, R42, R85						
Туре	TA 085120, TB 085120, TE 085120						
Voltage (V _p)	10 000	12 000	13 000	15 000			
Min. Capacitance (pF)	400	250	2000	100			
Max. Capacitance (pF)	4000	2500	2000	1600			
Mounting	Screw terminal						

MATERIAL

Capacitor elements made from class 1 ceramic dielectric with noble metal electrodes.

Connection terminals:

made from copper / brass, silver plated.

FINISH

Capacitor body completely protective lacquered. The contoured insulating rim is additionally glazed.

MARKING

Type designator, capacitance value and tolerance, rated peak voltage, ceramic material code, production date code, manufacturer logo.

FEATURES

- High reliability
- Multiple terminals
- Wide range of capacitance values

APPLICATIONS

- Induction and dielectric heating
- Antenna units
- Filter, bypass, and coupling circuits

CAPACITANCE RANGE

100 pF to 4.0 nF

CAPACITANCE TOLERANCE

± 20 %; ± 10 %; ± 5 %

CERAMIC DIELECTRICS

- R7 (TCC + 100 ppm/K)
- R42 (TCC 250 ppm/K)
- R85 (TCC 750 ppm/K)

RATED VOLTAGE

- 10.0 kV_p
- 12.0 kV_p
- 13.0 kV_p
- 15.0 kV_p

DIELECTRIC STRENGTH TEST

200 % of rated AC voltage (50 Hz, 5 minutes)

DISSIPATION FACTOR

R7: max. 0.07 % R42, R85: max. 0.05 %

Measuring frequencies:

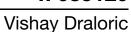
1 MHz (< 1 nF); 300 kHz or 100 kHz (≥ 1 nF)

INSULATION RESISTANCE

Min. 100 000 M Ω (at 25 °C)

OPERATING TEMPERATURE RANGE

-55 °C to +100 °C

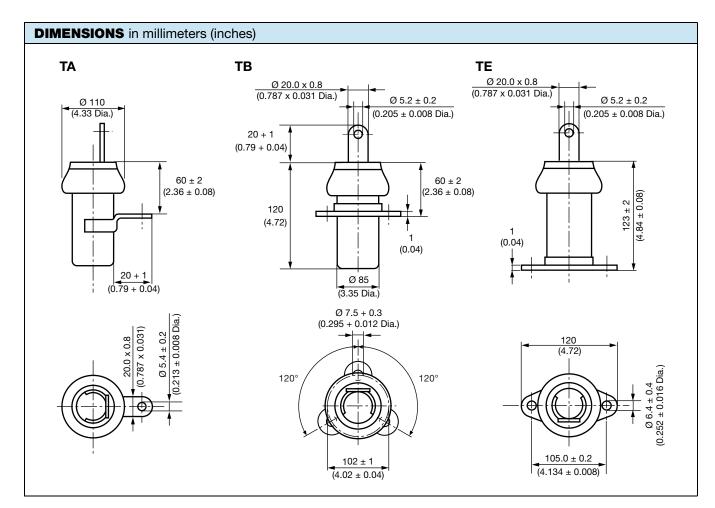




SAP PART NUMBER AND ELECTRICAL DATA						
PART NUMBER	CERAMIC	CAP. VALUES (pF)	RATED VOLTAGE (kV _p)	RATED POWER ⁽¹⁾ (kvar)	RATED CURRENT (A _{RMS})	
T#085120BJ101##BF1	R7	100	15	- 56	15	
T#085120BJ161##BF1		160				
T#085120WF251##BF1		250	12			
T#085120BH401##BF1		400	10			
T#085120BJ501##BH1	R42	500	15	70		
T#085120BJ601##BH1		600				
T#085120WF801##BH1		800	12			
T#085120WF102##BH1		1000				
T#085120BJ162##BJ1	R85	1600	15			
T#085120WH202##BJ1		2000	13			
T#085120WF252##BJ1		2500	12			
T#085120BH402##BJ1		4000	10			

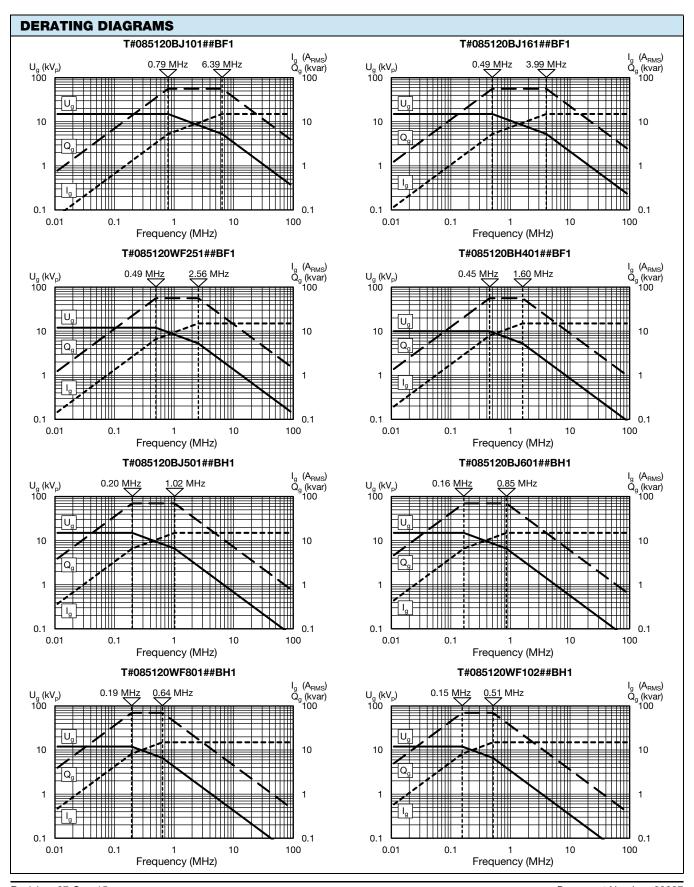
Notes

- # 2nd digit: code letter of the terminal version A, B, E
- ## 14^{th} to 15^{th} digit: capacitance tolerance code \pm 20 % = 38, \pm 10 % = 36, \pm 5 % = 33
- (1) The surface temperature during operation must not exceed +100 °C



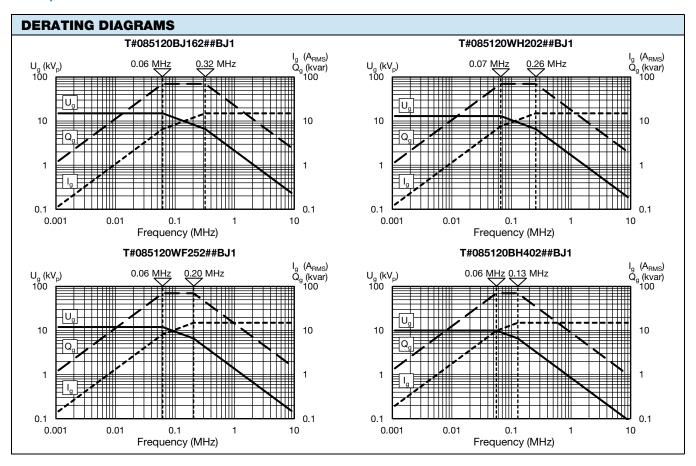








Vishay Draloric



RELATED DOCUMENTS	
General Information	www.vishay.com/doc?22071



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