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Vishay Draloric

# **RF Power Pot Capacitors** with Mounting Tags, Class 1 Ceramic



### **FEATURES**

- · High reliability
- Multiple terminals
- High capacitance values

#### **APPLICATIONS**

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

QUICK REFERENCE DATA										
DESCRIPTION	VALUE									
Ceramic Class	1									
Ceramic Dielectric	R85									
Туре	TB 050120, TE 050120				TB 050200, TE 050200					
Voltage (V <sub>p</sub> )	6000	9000	10 000	12 000	6000	9000	10 000	12 000		
Min. Capacitance (pF)	3000	2500	1600	1000	6000	5000	3000	2000		
Max. Capacitance (pF)	4000	2500	2000	1200	6000	5000	4000	2500		
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 laquered 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

### **CAPACITANCE RANGE**

1.0 nF to 6.0 nF

#### **CAPACITANCE TOLERANCE**

± 20 %; ± 10 %; ± 5 %

#### **CERAMIC DIELECTRICS**

R85 (TCC - 750 ppm/K)

#### RATED VOLTAGE

- 6.0 kV<sub>p</sub>
- 9.0 kV<sub>p</sub>
- 10.0 kV<sub>n</sub>
- 12.0 kV<sub>p</sub>

### **DIELECTRIC STRENGTH TEST**

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

### **DISSIPATION FACTOR**

Max. 0.05 % (1 MHz)

#### **INSULATION RESISTANCE**

Min. 100 000 M $\Omega$  (at 25 °C)

#### **OPERATING TEMPERATURE RANGE**

- 55 °C to + 100 °C

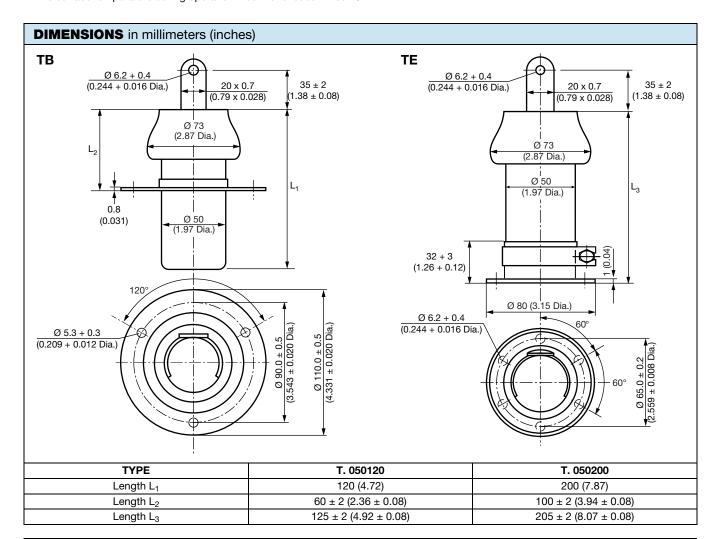
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SAP PART NUMBER AND ELECTRICAL DATA										
PART NUMBER	CERAMIC	CAP. VALUES (pF)	RATED VOLTAGE (kV <sub>P</sub> )	RATED POWER (1) (kvar)	RATED CURRENT (A <sub>RMS</sub> )					
TYPE T. 050120										
T#050120WF102##BJ1		1000	12	60	20					
T#050120WF122##BJ1		1200	12							
T#050120BH162##BJ1		1600	- 10							
T#050120BH202##BJ1	R85	2000								
T#050120WC252##BJ1		2500	9.0							
T#050120BF302##BJ1		3000	6.0							
T#050120BF402##BJ1		4000	0.0							
TYPE T. 050200										
T#050200WF202##BJ1		2000	12	70	20					
T#050200WF252##BJ1		2500	12							
T#050200BH302##BJ1	R85	3000	10							
T#050200BH402##BJ1	noo	4000	10							
T#050200WC502##BJ1		5000	9.0							
T#050200BF602##BJ1		6000	6.0							

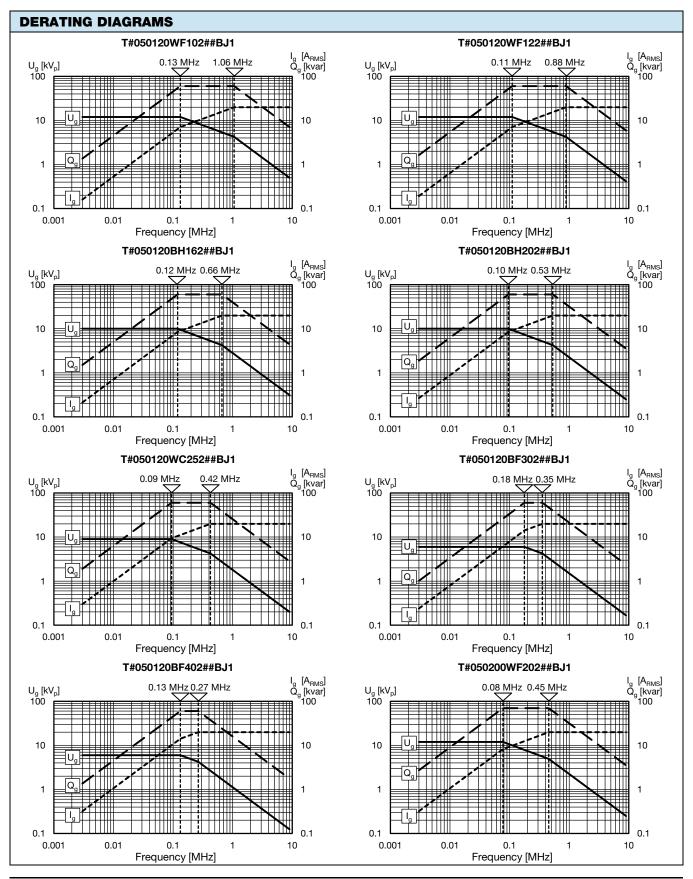
### Notes

- #  $2^{nd}$  digit: Code letter of the terminal version 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



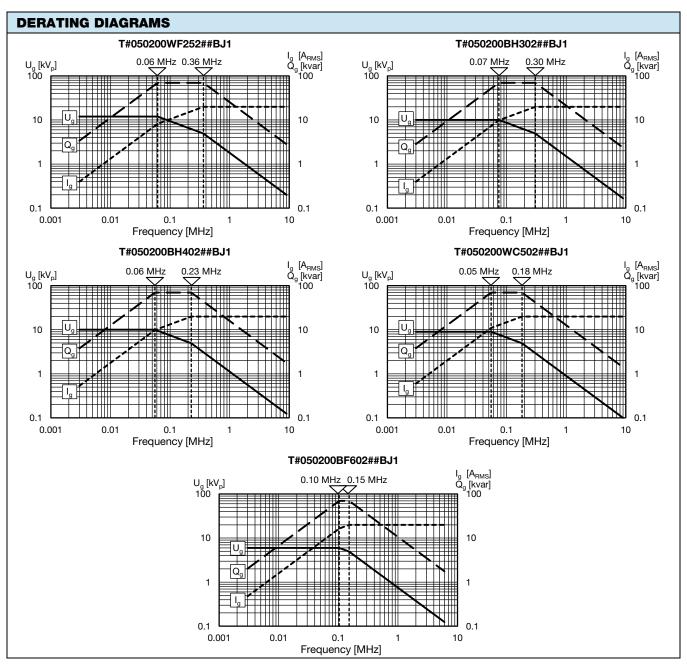








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