**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 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.

#### **CAPACITANCE RANGE**

1.0 nF to 6.0 nF

#### CAPACITANCE TOLERANCE

± 20 %; ± 10 %; ± 5 %

#### **CERAMIC DIELECTRICS**

R85 (TCC - 750 ppm/K)

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**RATED VOLTAGE** 

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

#### **DIELECTRIC STRENGTH TEST**

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

#### **DISSIPATION FACTOR**

Max. 0.05 % (300 kHz or 100 kHz)

#### **INSULATION RESISTANCE**

Min. 100 000 MΩ (at 25 °C)

#### **OPERATING TEMPERATURE RANGE**

-55 °C to +100 °C



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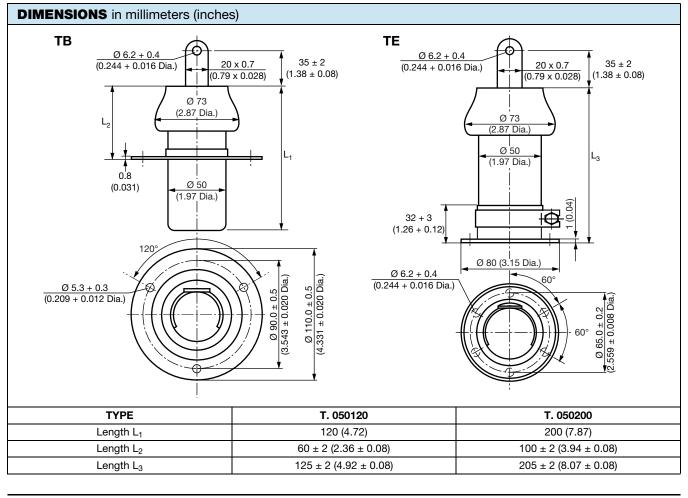
SAP PART NUMBER AND ELECTRICAL DATA									
PART NUMBER CERAMIC		CAP. VALUES (pF) RATED VOLTAGE (kV <sub>p</sub> )		RATED POWER <sup>(1)</sup> (kvar)	RATED CURRENT (A <sub>RMS</sub> )				
TYPE T. 050120			·	·					
T#050120WF102##BJ1		1000	12	60	20				
T#050120WF122##BJ1		1200	12						
T#050120BH162##BJ1		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	RQD	4000							
T#050200WC502##BJ1		5000	9.0						
T#050200BF602##BJ1		6000	6.0	1	l				

#### Notes

# 2<sup>nd</sup> digit: code letter of the terminal version B, E

• ## 14<sup>th</sup> to 15<sup>th</sup> digit: capacitance tolerance code  $\pm$  20 % = 38,  $\pm$  10 % = 36,  $\pm$  5 % = 33

<sup>(1)</sup> The surface temperature during operation must not exceed +100 °C



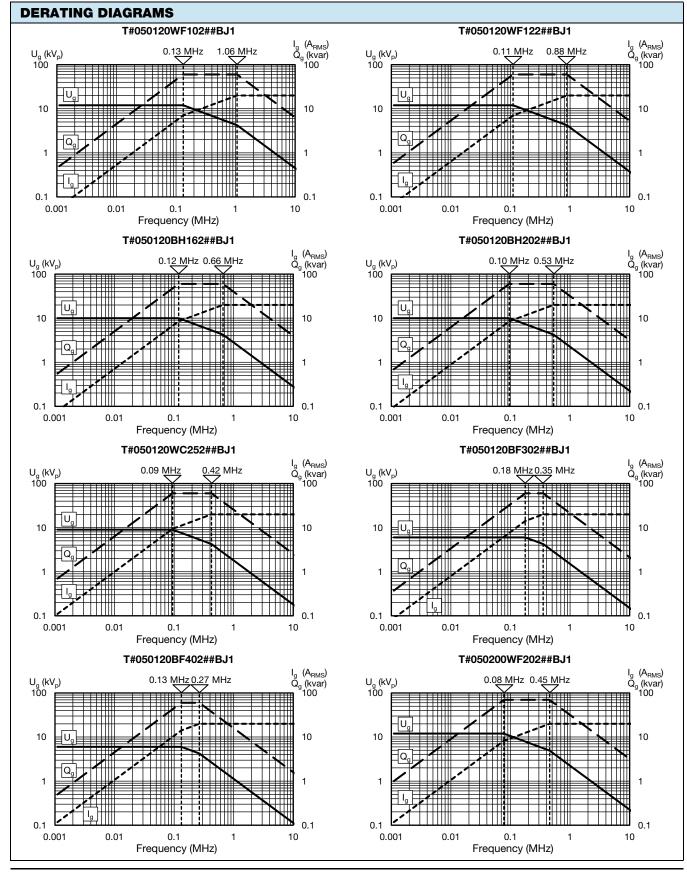
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## T. 050120, T. 050200





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ISHAY

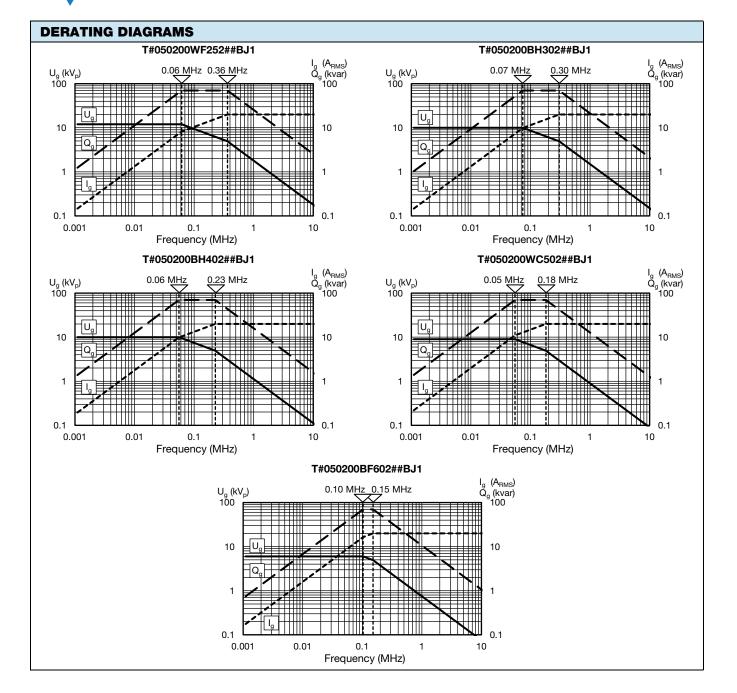
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## T. 050120, T. 050200





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