

Vishay Draloric

RF Power Pot Capacitors with Mounting Tags, Class 1 Ceramic



FEATURES

- Small size
- · High reliability
- Wide range of capacitance values

APPLICATIONS

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

QUICK REFERENCE DATA								
DESCRIPTION	VALUE							
Ceramic Class	1							
Ceramic Dielectric	R7, R16, R42, R85							
Туре	TA 020030, TB 020030, TD 020030, TE 020030		TA 020050, TB 020050, TD 020050, TE 020050		TA 020080, TB 020080, TD 020080, TE 020080			
Voltage (V _p)	6000	7000	8000	7000	8000	7000	8000	
Min. Capacitance (pF)	100	80	10	200	20	1200	40	
Max. Capacitance (pF)	400	250	160	600	500	1200	1000	
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

10 pF to 1.2 nF

CAPACITANCE TOLERANCE

± 20 %; ± 10 %; ± 5 %

DIELECTRIC STRENGTH TEST

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

CERAMIC DIELECTRICS

- R7 (TCC + 100 ppm/K)
- R16 (TCC + 100 ppm/K)
- R42 (TCC 250 ppm/K)
- R85 (TCC 750 ppm/K)

RATED VOLTAGE

- 6.0 kV_p
- 7.0 kV_p
- 8.0 kV_p

DISSIPATION FACTOR

R7: max. 0.07 % R16: max. 0.04 % 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

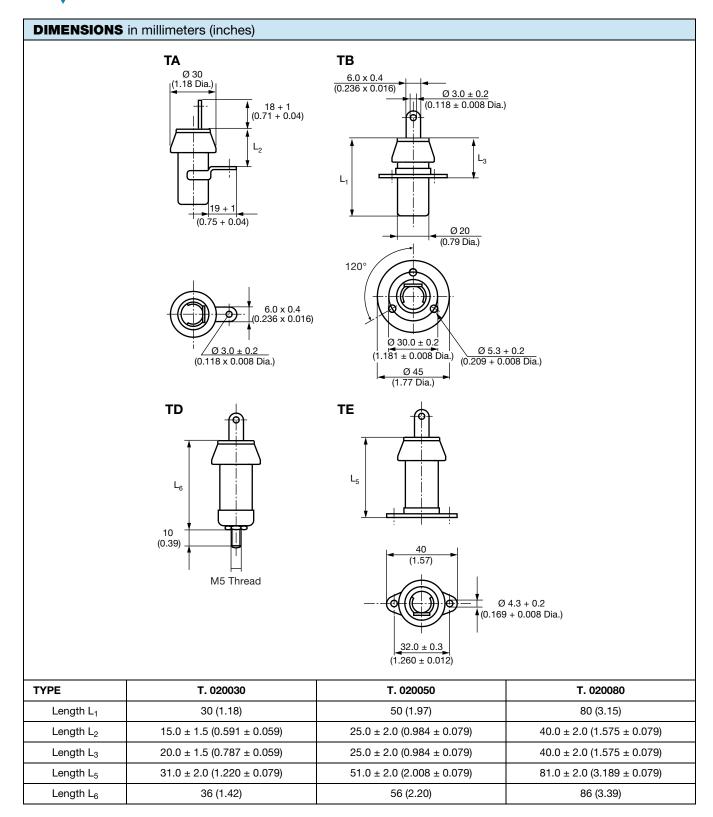


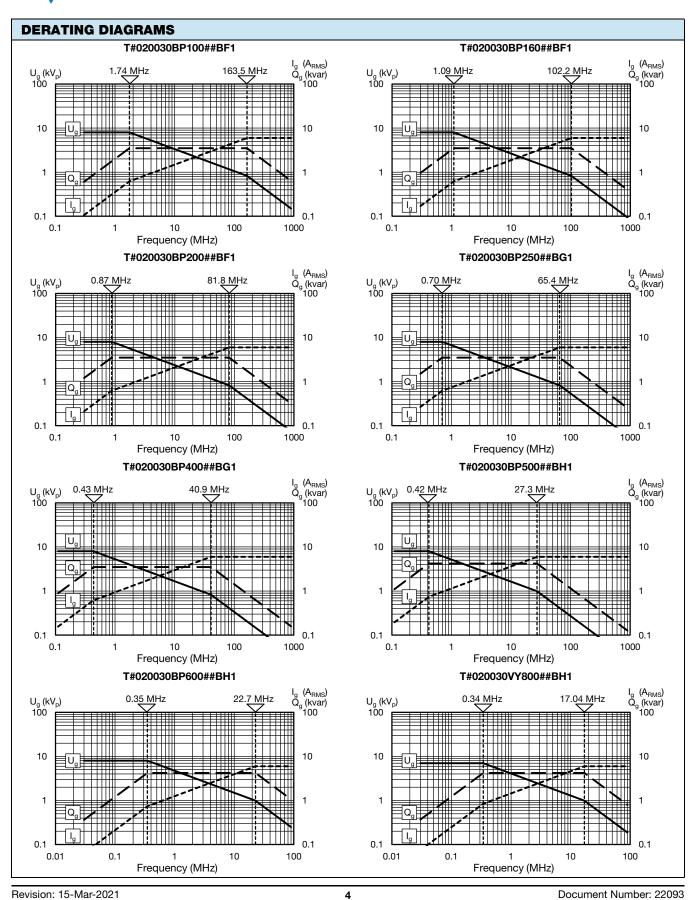
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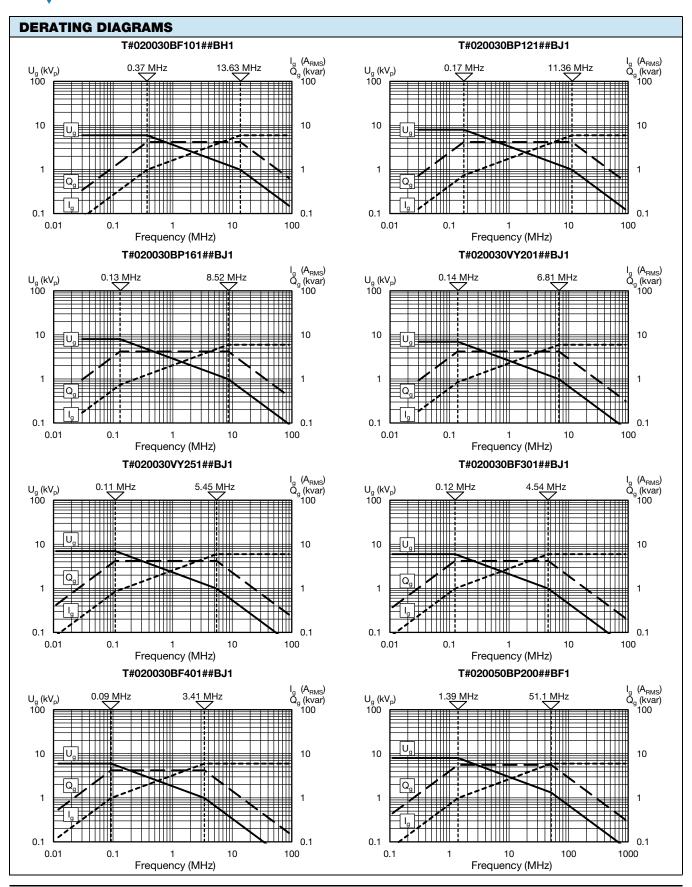
CAP. RATED RATED RATED								
PART NUMBER	CERAMIC	VALUES	VOLTAGE	POWER (1)	CURRENT			
TYPE T. 020030		(pF)	(kV _p)	(kvar)	(A _{RMS})			
T#020030BP100##BF1		10						
T#020030BP160##BF1	R7	16						
T#020030BP200##BF1		20	-	3.5				
T#020030BP250##BG1		25	8.0					
T#020030BP400##BG1	R16	40						
T#020030BP500##BH1		50						
T#020030BP600##BH1		60						
T#020030VY800##BH1	R42	80	7.0		6.0			
T#020030BF101##BH1		100	6.0	=				
T#020030BP121##BJ1		120		- - -				
T#020030BP161##BJ1		160	8.0	4.2				
T#020030VY201##BJ1	D.C.=	200						
T#020030VY251##BJ1	R85	250	7.0					
T#020030BF301##BJ1		300						
T#020030BF401##BJ1		400	6.0					
TYPE T. 020050								
T#020050BP200##BF1		20						
T#020050BP250##BF1	R7	25	-					
T#020050BP400##BG1		40	0.0	5.6				
T#020050BP500##BG1	5.0	50						
T#020050BP600##BG1	R16	60	8.0					
T#020050BP800##BG1		80						
T#020050BP101##BH1		100			2.2			
T#020050BP161##BH1	R42	160			6.0			
T#020050VY201##BH1		200	7.0					
T#020050BP251##BJ1		250		1				
T#020050BP301##BJ1		300		7.0				
T#020050BP401##BJ1	R85	400	8.0					
T#020050BP501##BJ1		500	1					
T#020050VY601##BJ1		600	7.0	1				
TYPE T. 020080			1					
T#020080BP400##BF1	D7	40						
T#020080BP600##BF1	R7	60	1					
T#020080BP800##BG1		80	1	0.5				
T#020080BP101##BG1	D10	100	1	8.5				
T#020080BP121##BG1	R16	120	1					
T#020080BP161##BG1		160	1					
T#020080BP201##BH1		200	8.0		- -			
T#020080BP251##BH1	R42	250			7.0			
T#020080BP301##BH1		300	1					
T#020080BP401##BJ1		400	1	10.5				
T#020080BP501##BJ1		500	1	10.5				
T#020080BP601##BJ1	R85	600	1					
T#020080BP102##BJ1		1000	1					
T#020080VY122##BJ1		1200	7.0	1				

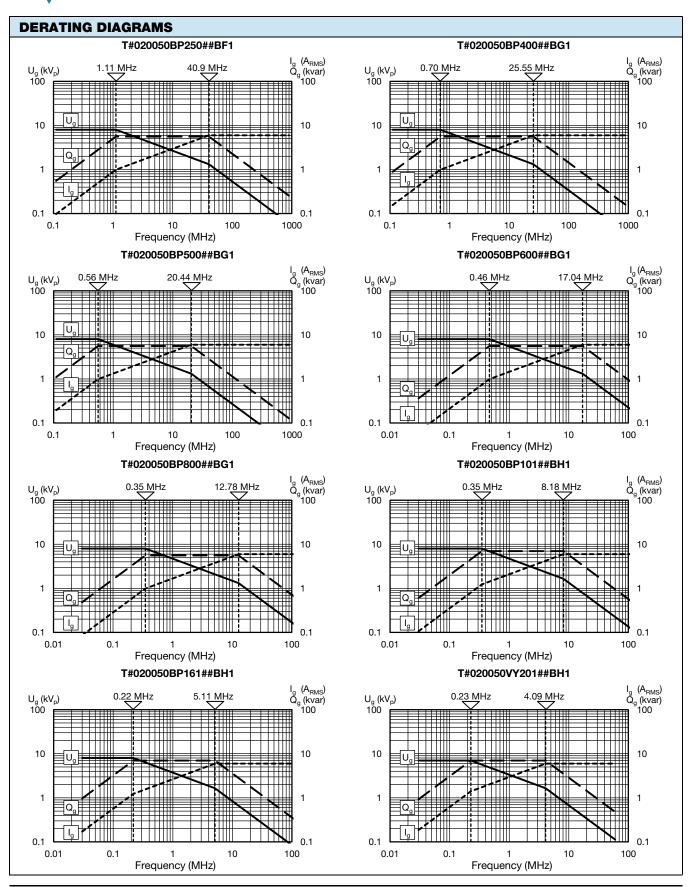
Notes

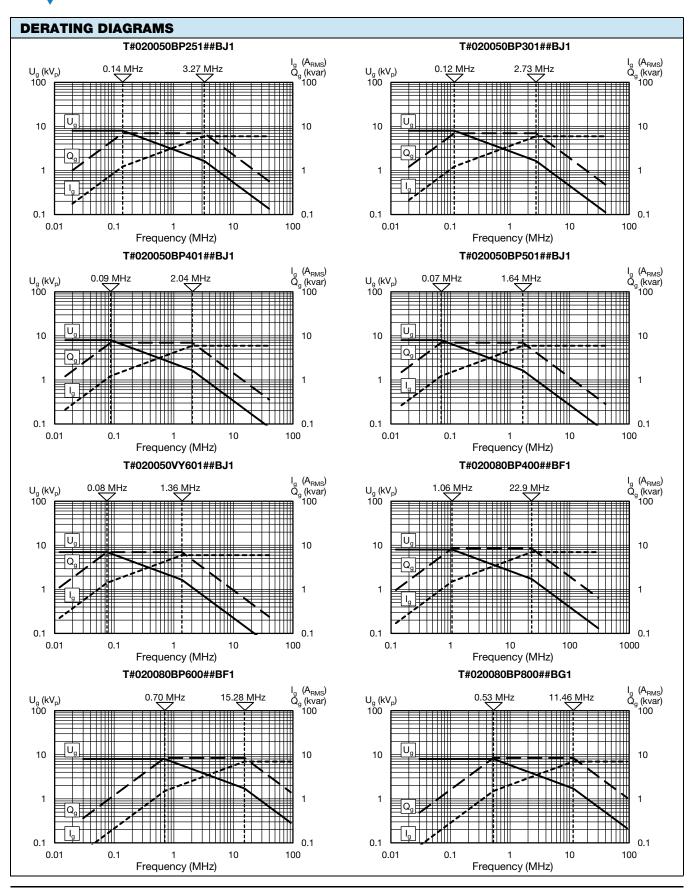
- # 2nd digit: code letter of the terminal version A, B, D, E
- ## 14th to 15th digit: capacitance tolerance code \pm 20 % = 38, \pm 10 % = 36, \pm 5 % = 33
- $^{(1)}\,$ The surface temperature during operation must not exceed +100 °C

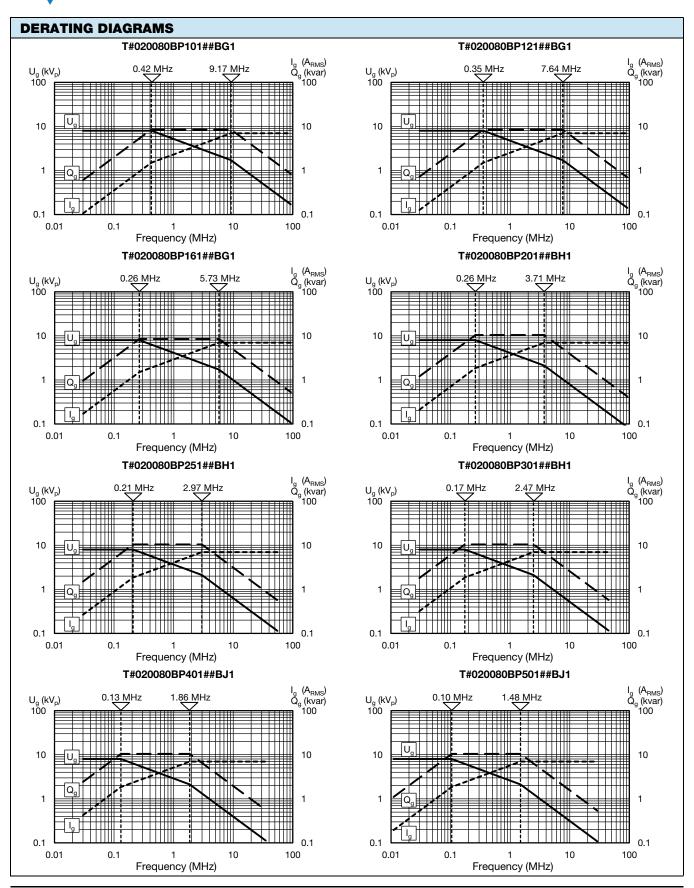




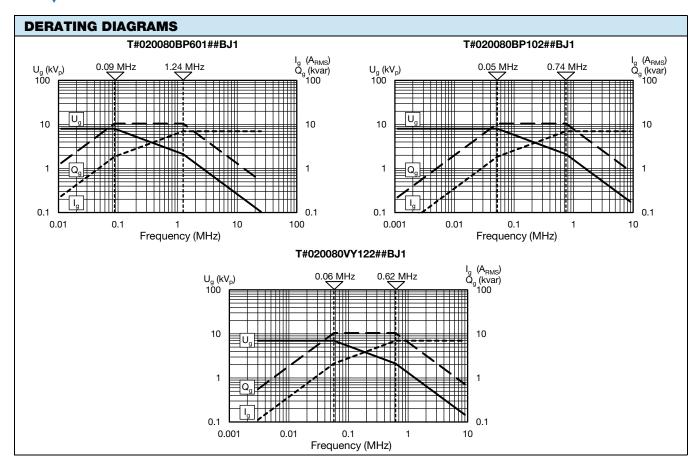












RELATED DOCUMENTS				
General Information	www.vishay.com/doc?22071			



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