

Vishay Draloric

# RF Power Feed-Through Capacitors with Screw Terminals, Class 1 Ceramic



QUICK REFERENCE DATA				
DESCRIPTION	VALUE			
Ceramic Class	1			
Ceramic Dielectric	R85			
Туре	DBZ 012058			
Voltage (V <sub>p</sub> )	7500			
Min. Capacitance (pF)	200			
Max. Capacitance (pF)	200			
Mounting	Screw terminal			

#### **MATERIAL**

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

Connection terminals:

thread terminal, copper / brass, silver plated

Allowable torque: 3.5 Nm (13 lbf in)

#### **FINISH**

Capacitor body completely protective lacquered.

#### **MARKING**

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

#### **FEATURES**

- Small size
- · Geometry minimizes inductance

#### **APPLICATIONS**

Filtering purposes in industrial and medical RF power equipment.

#### **CAPACITANCE RANGE**

200 pF

#### **CAPACITANCE TOLERANCE**

- 10 % + 20 %

#### **CERAMIC DIELECTRICS**

R85 (TCC - 750 ppm/K)

#### **RATED VOLTAGE**

 $7.5 \text{ kV}_p$ 

#### **DIELECTRIC STRENGTH TEST**

12.5 kV<sub>DC</sub>, 1 minute

#### **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

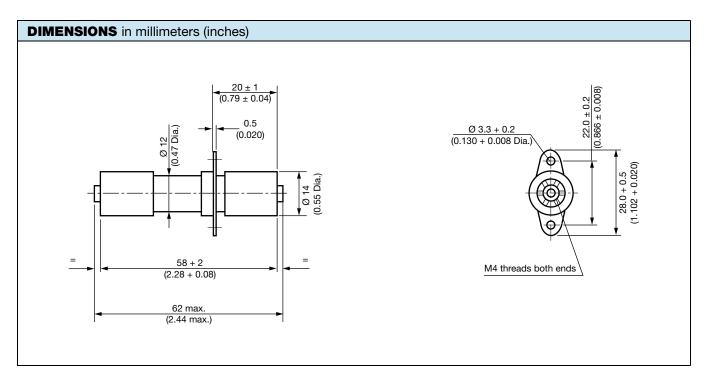


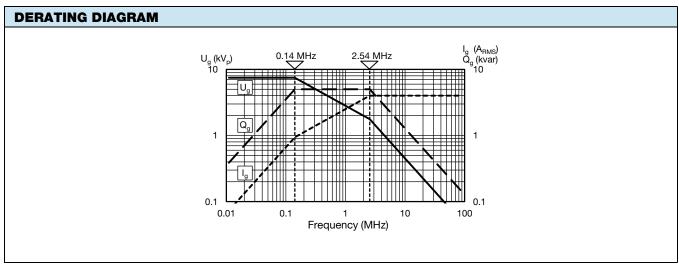
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SAP PART NUMBER AND ELECTRICAL DATA						
PART NUMBER	CERAMIC	CAP. VALUES (pF)	RATED VOLTAGE (kV <sub>P</sub> )	RATED POWER <sup>(1)</sup> (kvar)	RATED CURRENT (A <sub>RMS</sub> )	FEED-THROUGH CURRENT <sup>(2)</sup> (A)
DBZ12058VZ20172BJ1	R85	200	7.5	5.0	4.0	7.0

#### **Notes**

- (1) The surface temperature during operation must not exceed +100 °C
- (2) DC or low frequency RMS current (< 20 kHz)





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



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