

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



QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Ceramic Class	1
Ceramic Dielectric	R85
Type	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 kV<sub>p</sub>

### DIELECTRIC STRENGTH TEST

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

### DISSIPATION FACTOR

Max. 0.05 % (1 MHz)

### INSULATION RESISTANCE

Min. 100 000 MΩ (at 25 °C)

### OPERATING TEMPERATURE RANGE

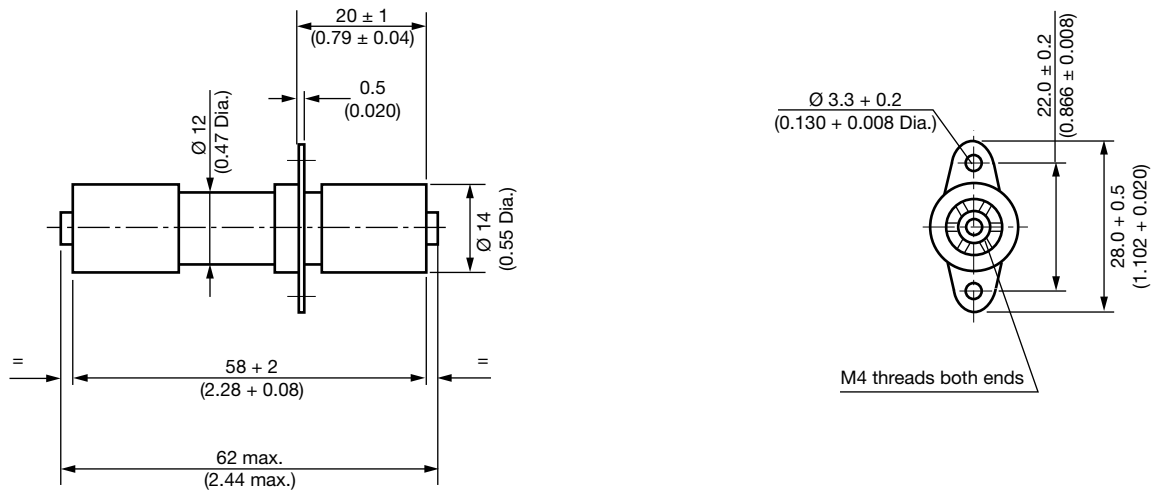
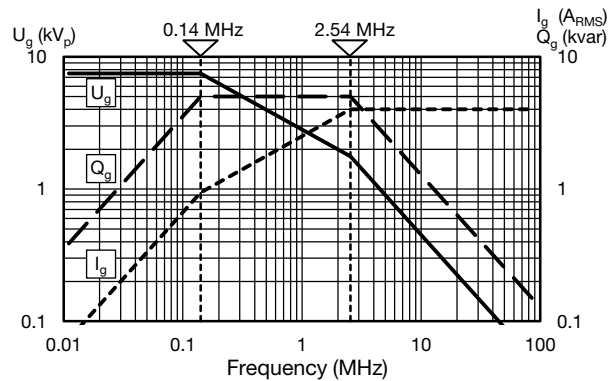
-55 °C to +100 °C

**SAP PART NUMBER AND ELECTRICAL DATA**

PART NUMBER	CERAMIC	CAP. VALUES (pF)	RATED VOLTAGE (kV <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)

**DIMENSIONS** in millimeters (inches)

**DERATING DIAGRAM**

**RELATED DOCUMENTS**

General Information

[www.vishay.com/doc?22071](http://www.vishay.com/doc?22071)



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