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_p)	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_p

DIELECTRIC STRENGTH TEST

12.5 kV_{DC}, 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

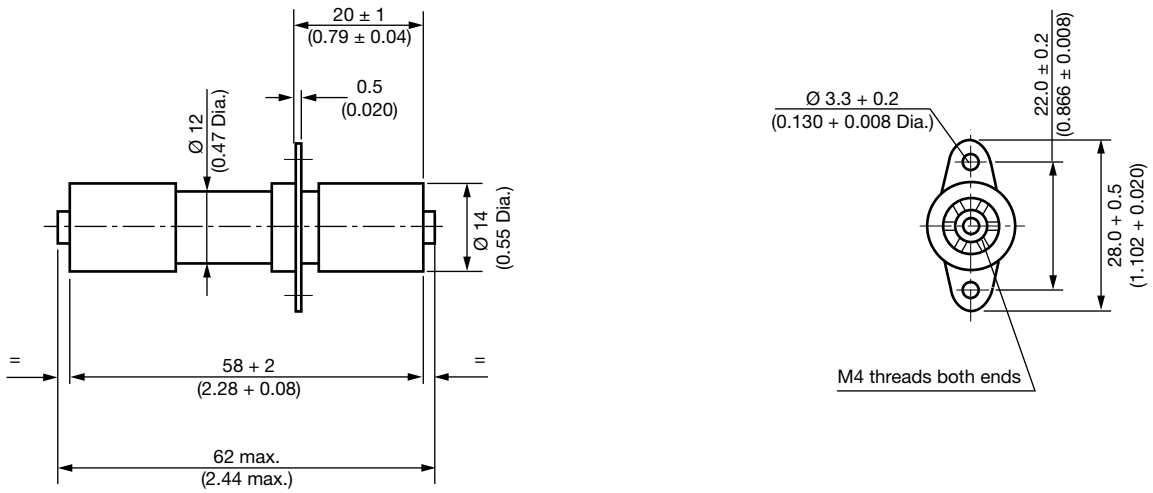
PART NUMBER	CERAMIC	CAP. VALUES (pF)	RATED VOLTAGE (kV_P)	RATED POWER (1) (kvar)	RATED CURRENT (A_{RMS})	FEED-THROUGH CURRENT (2) (A)
DBZ12058VZ20172BJ1	R85	200	7.5	5.0	4.0	7.0

Notes

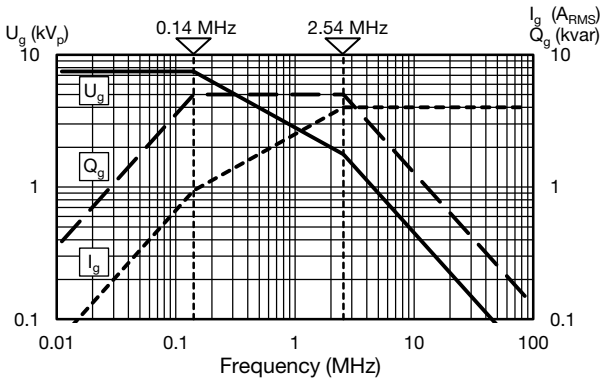
(1) The surface temperature during operation must not exceed +100 °C

(2) DC or low frequency RMS current (< 20 kHz)

DIMENSIONS in millimeters (inches)



DERATING DIAGRAM



RELATED DOCUMENTS

General Information	www.vishay.com/doc?22071

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