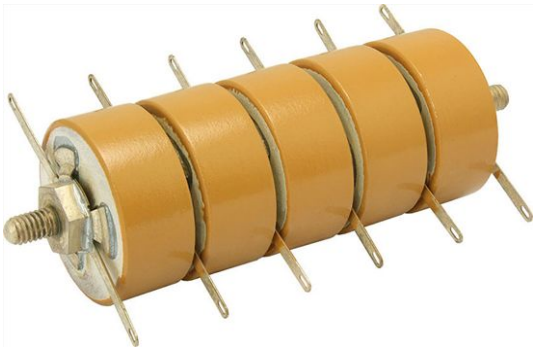
High Voltage Ceramic Capacitor Stacks, with Solder Tags, Class 2 Ceramic



QUICK REFERENCE DATA		
DESCRIPTION	VALUE	
Ceramic Class	2	2
Ceramic Dielectric	R4000	R6000
Type	GFMM2505, GFMM2507	GFMM2505, GFMM2507
Voltage (V_{DC})	19 000	11 000
Min. Capacitance (pF)	1300	2200
Max. Capacitance (pF)	1300	2200
Mounting	Solder tags	

MATERIAL

Capacitor elements made from class 2 ceramic dielectric with noble metal electrodes.

Connection terminals between the discs: brass, silver plated

FINISH

Insulating rims of the disc protective lacquered.

OPTIONAL TERMINALS

We offer a variety of intermediate solder tags to meet customers requirements. Please contact us.

FEATURES

- High voltage ratings
- Multiple design up to 7 stages
- Other versions on request

APPLICATIONS

Ceramic capacitor stacks have been developed for use in low power voltage multipliers used in high voltage DC generators. The major applications are x-ray equipment for medical diagnostics or electrostatic paint spraying equipment.

CAPACITANCE RANGE

1.3 nF to 2.2 nF

CAPACITANCE TOLERANCE

- - 10 % / + 50%
- - 10 % / + 60 %

CERAMIC DIELECTRIC

- R4000 (Y5U)
- R6000 (Y5U)

RATED VOLTAGE

- 11 kV_{DC} per single disc
- 19 kV_{DC} per single disc

DIELECTRIC STRENGTH TEST

- 15 kV_{DC} per single disc, in dielectric fluid
- 25 kV_{DC} per single disc, in dielectric fluid

DISSIPATION FACTOR

Max. 2.5 % (1 kHz)

INSULATION RESISTANCE

Min. 10 GΩ (at 25 °C)

OPERATING TEMPERATURE RANGE

-25 °C to +85 °C

For technical questions, contact: cdc@vishay.com

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SAP PART NUMBER AND ELECTRICAL DATA

PART NUMBER	CERAMIC	CAPACITANCE VALUES (1) (pF)	RATED VOLTAGE (1)(2) (kV_{DC})	TEST VOLTAGE (1)(3) (kV_{DC})	NO. OF DISC IN SERIES	$L_{MAX.}$ mm (INCH)	$D_{MAX.}$ mm (INCH)
RHS1N3096BTZGY5998	R4000 (Y5U)	1300 - 10 % / + 50 %	19	25	5	70 (2.76)	27 (1.06)
RHS1N3096BTZGZ5999					7	93 (3.66)	
RHS1N3049BTZGT5994		1300 - 10 % / + 60 %			5	70 (2.76)	
RHS1N3049BTZBU5564					7	93 (3.66)	
RHS2N2096WEZGU5224	R6000 (Y5U)	2200 - 10 % / + 50 %	11	15	5	55 (2.17)	
RHS2N2096WEZGW5996					7	75 (2.95)	
RHS2N2049WEZGV5995		2200 - 10 % / + 60 %			5	55 (2.17)	
RHS2N2049WEZGX5997					7	75 (2.95)	

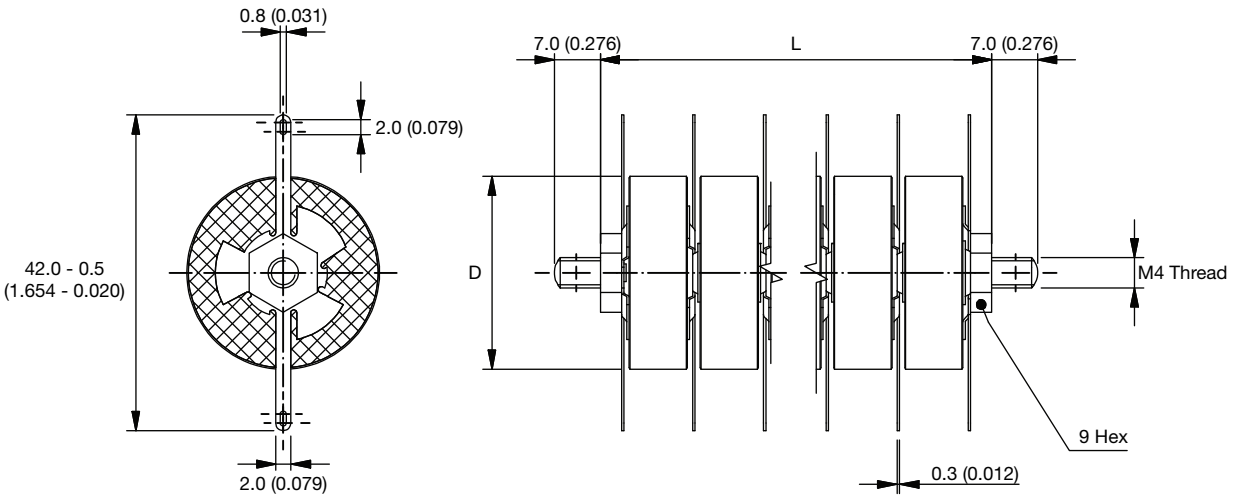
Notes

(1) Per single disc

(2) In an insulating environment

(3) Min. 3 s in dielectric fluid

DIMENSIONS DATA



RELATED DOCUMENTS

General Information	www.vishay.com/doc?22090

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