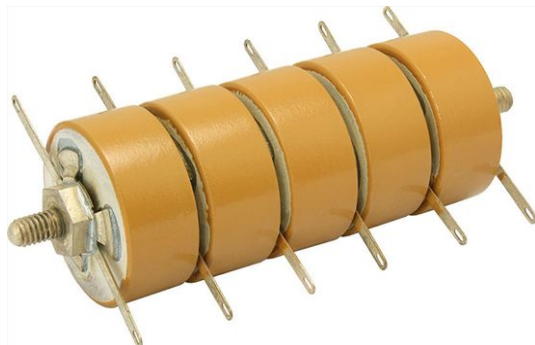


## High Voltage Ceramic Capacitor Stacks, with Solder Tags, Class 2 Ceramic



### 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<sub>DC</sub> per single disc
- 19 kV<sub>DC</sub> per single disc

### DIELECTRIC STRENGTH TEST

- 15 kV<sub>DC</sub> per single disc, in dielectric fluid
- 25 kV<sub>DC</sub> per single disc, in dielectric fluid

### DISSIPATION FACTOR

Max. 2.5 % (1 kHz)

### INSULATION RESISTANCE

Min. 10 G $\Omega$  (at 25 °C)

### OPERATING TEMPERATURE RANGE

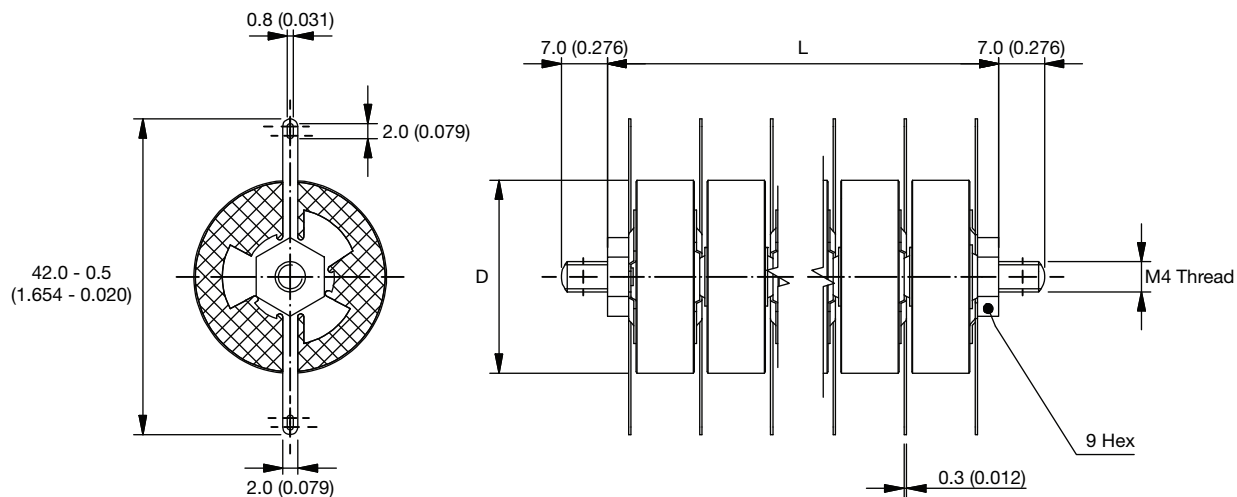
-25 °C to +85 °C

**SAP PART NUMBER AND ELECTRICAL DATA**

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

**Notes**

- <sup>(1)</sup> Per single disc  
<sup>(2)</sup> In an insulating environment  
<sup>(3)</sup> Min. 3 s in dielectric fluid

**DIMENSIONS DATA**

**RELATED DOCUMENTS**

General Information

[www.vishay.com/doc?22090](http://www.vishay.com/doc?22090)



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