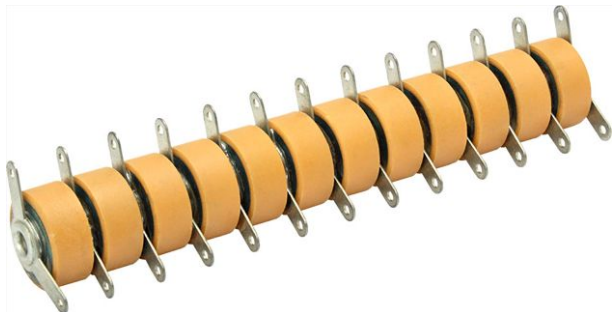


## High Voltage Ceramic Capacitor Stacks, with Solder Tags, Class 2 Ceramic



### FEATURES

- Small size
- Multiple design up to 12 stages
- Voltage rating of the individual discs 8 kV<sub>DC</sub>
- 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

370 pF to 500 pF

### CAPACITANCE TOLERANCE

± 20 %

### CERAMIC DIELECTRIC

R2005 (X7R)

### RATED VOLTAGE

8.0 kV<sub>DC</sub> per single disc

### DIELECTRIC STRENGTH TEST

13 kV<sub>DC</sub> 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

### QUICK REFERENCE DATA

DESCRIPTION	VALUE	
Ceramic Class	2	
Ceramic Dielectric	R2005	
Type	GFMQ10..., GFWQ10..	GFMQ12..., GFWQ12..
Voltage (V <sub>DC</sub> )	8000	
Min. Capacitance (pF)	370	500
Max. Capacitance (pF)	370	500
Mounting	Solder tags	

### MATERIAL

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

Connection terminals between the discs: brass, silver plated

### OPTIONAL TERMINALS

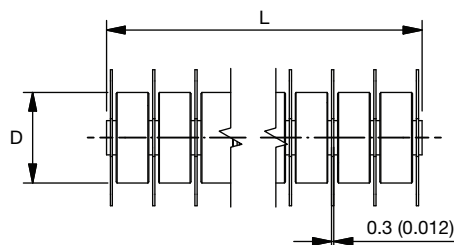
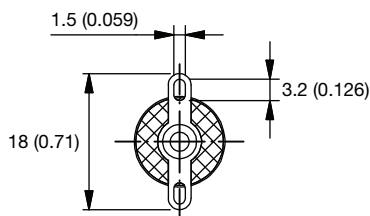
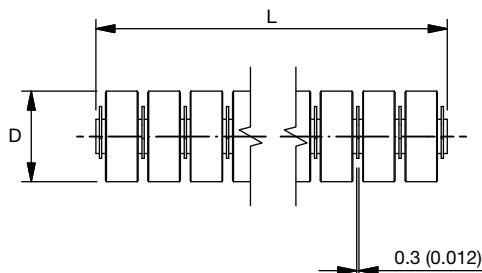
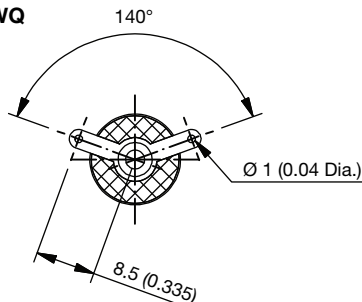
We offer a variety of intermediate solder tags to meet customers requirements. Please contact us.

**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 mm (INCH)
TYPE GFMQ10..							
RHS370P38BPZHA6000	R2005 (X7R)	370 (± 20 %)	8.0	13	10	61.5 (2.421)	10.5 ± 0.3 (0.413 ± 0.012)
RHS370P38BPZHB6001					12	73.5 (2.893)	
TYPE GFWQ10..							
RHS370P38BPZHC6002	R2005 (X7R)	370 (± 20 %)	8.0	13	10	61.5 (2.421)	10.5 ± 0.3 (0.413 ± 0.012)
RHS370P38BPZHD6003					12	73.5 (2.893)	
TYPE GFMQ12..							
RHS500P38BPZHE6004	R2005 (X7R)	500 (± 20 %)	8.0	13	8	49.5 (1.949)	12.0 ± 0.2 (0.472 ± 0.008)
RHS500P38BPZHF6005					10	61.5 (2.421)	
RHS500P38BPZHG6006					12	73.5 (2.893)	
TYPE GFWQ12..							
RHS500P38BPZHH6007	R2005 (X7R)	500 (± 20 %)	8.0	13	8	49.5 (1.949)	12.0 ± 0.2 (0.472 ± 0.008)
RHS500P38BPZHJ6008					10	61.5 (2.421)	
RHS500P38BPZHK6009					12	73.5 (2.893)	

**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**
**TYPE GFMQ**

**TYPE GFWQ**

**RELATED DOCUMENTS**

General Information

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



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