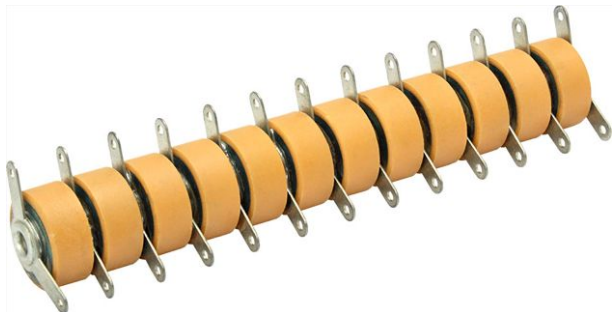


High Voltage Ceramic Capacitor Stacks, with Solder Tags, Class 2 Ceramic



QUICK REFERENCE DATA		
DESCRIPTION	VALUE	
Ceramic Class	2	
Ceramic Dielectric	R2005	
Type	GFMQ10..., GFWQ10..	GFMQ12..., GFWQ12..
Voltage (V_{DC})	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.

FEATURES

- Small size
- Multiple design up to 12 stages
- Voltage rating of the individual discs 8 kV_{DC}
- 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_{DC} per single disc

DIELECTRIC STRENGTH TEST

13 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

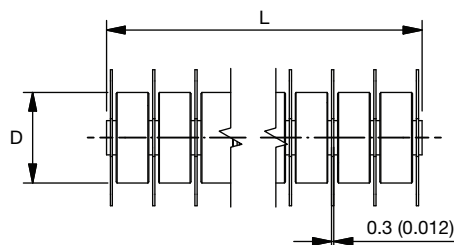
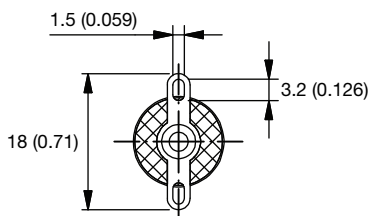
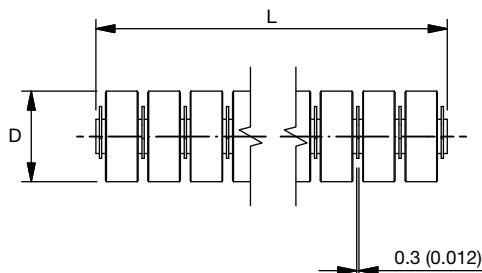
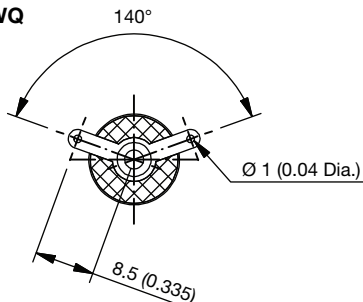
-25 °C to +85 °C

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 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

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

DIMENSIONS DATA
TYPE GFMQ

TYPE GFWQ

RELATED DOCUMENTS

General Information

www.vishay.com/doc?22090



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