Ceramic Stand-Off Insulators for RF-Equipment



FEATURES

- Application in HF equipment
- High flashover voltage
- High compressive and tensile load
- Different thread sizes available

MATERIAL

Stand-off insulator elements made from Class 1 ceramic material (C 221-IEC 60672-3), body completely glazed.

Connection Terminals: Brass

MARKING

None

OPERATING CONDITIONS

Maximum Operating Temperature: + 100 °C

Maximum Compressive Load: 3.0 kN

Maximum Tensile Load: 7.5 kN

Maximum Reactive Current: 3 A_{RMS}

QUICK REFERENCE DATA

DESCRIPTION	VALUE						
Ceramic Class	1						
Ceramic Dielectric	R7						
Type	Stand-off Insulator 3540/6, 3550/6, 3558/6, 3560/6, 3570/6, 3580/6, 35100/6, 35125/6						
Voltage (V_{RMS})	10 000	12 000	13 000	15 000	16 000	19 000	22 000
Min. Capacitance (pF)	2.5	1.9	1.2	0.9	0.7	0.5	0.3
Max. Capacitance (pF)	2.5	1.9	1.2	0.9	0.7	0.5	0.3
Mounting	Screw terminal						

SAP PART NUMBER, ELECTRICAL, AND DIMENSIONAL DATA

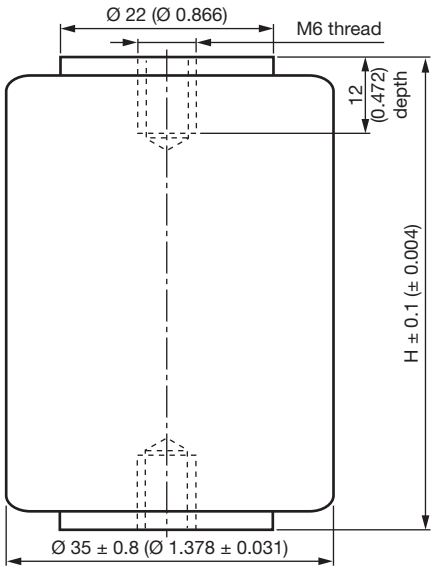
PART NUMBER	CERAMIC	CAPACITANCE VALUES (pF)	FLASHOVER VOLTAGE AT 50 Hz, 60 % REL. AIR HUMIDITY (kV_{RMS})	OPERATING VOLTAGE (kV_{RMS})	DIMENSIONS H mm (INCHES)	DISSIPATION FACTOR
ISOLATOR3540M#1	R7	2.5	25	10	40 (1.575)	Max. 0.05 % (1 MHz)
ISOLATOR3550M#1		1.9	29	12	50 (1.969)	
ISOLATOR3558M#1		1.2	33	13	58 (2.283)	
ISOLATOR3560M#1		1.2	33	13	60 (2.362)	
ISOLATOR3570M#1		0.9	37	15	70 (2.756)	
ISOLATOR3580M#1		0.7	41	16	80 (3.150)	
ISOLATOR35100M#1		0.5	48	19	100 (3.937)	
ISOLATOR35125M#1		0.3	56	22	125 (4.921)	

Note

- # indicator of thread size, “6” = M6 (standard), other metric sizes as well as US standard threads are available on request

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DIMENSIONS in millimeters (inches)



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