



## 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<sub>RMS</sub>

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 <sub>RMS</sub> )	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						

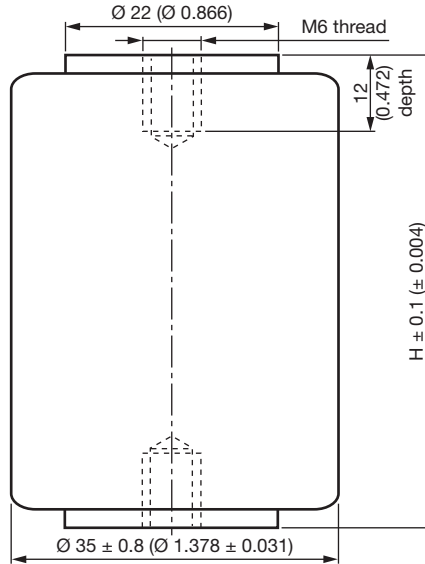
SAP PART NUMBER, ELECTRICAL, AND DIMENSIONAL DATA						
PART NUMBER	CERAMIC	CAPACITANCE VALUES (pF)	FLASHOVER VOLTAGE AT 50 Hz, 60 % REL. AIR HUMIDITY (kV <sub>RMS</sub> )	OPERATING VOLTAGE (kV <sub>RMS</sub> )	DIMENSIONS H mm (INCHES)	DISSIPATION FACTOR
ISOLATOR3540M#1	R7	2.5	25	10	40 (1.575)	Max. 0.05 % (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



**DIMENSIONS** in millimeters (inches)





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