



## 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

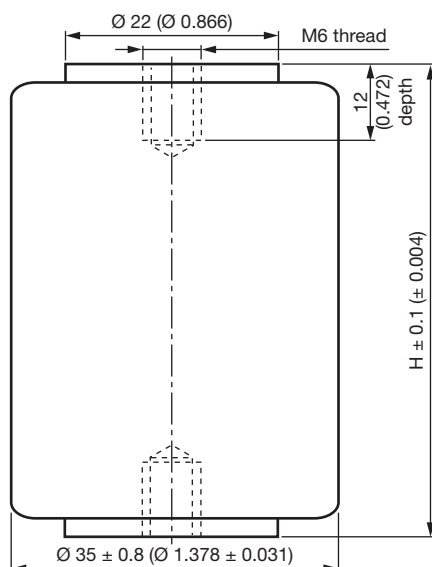
| PART NUMBER      | CERAMIC | CAPACITANCE VALUES (pF) | FLASHOVER VOLTAGE AT 50 Hz, 60 % REL. AIR HUMIDITY (kV <sub>RMS</sub> ) | OPERATING VOLTAGE (kV <sub>RMS</sub> ) | DIMENSIONS H mm (INCHES) | DISSIPATION FACTOR     |
|------------------|---------|-------------------------|-------------------------------------------------------------------------|----------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