

COAXIAL SURGE PROTECTOR DEVICE, Slim Line GDT technology  
3406.99.0016

Properties

- Slim in-line design
- Broadband operation from DC up to 3 GHz
- DC continuity for remote powering
- Permanently installed gas discharge tube
- RF power up to 60W max.



| Product configuration       |  |
|-----------------------------|--|
| Main path connectors        | Port 1: unprotected, F jack (female)<br>Port 2: protected, F jack (female) |
| Mounting and grounding      | MH71 (bulkhead mounting)   |
| Side of bulkhead            | protected side   |
| Inline design               | YES  |
| EMP can be install reversed | YES  |

| Interface and material data        |  |
|------------------------------------|--|
| Housing material / plating         | Brass / SUCOPLATE (R) Plating                                      |
| Center contact, material / plating | Port 1: Bronze / Silver Plating<br>Port 2: Bronze / Silver Plating |

| Electrical data                   |  |
|-----------------------------------|--|
| Impedance                         | 75 Ω   |
| Frequency frame                   | 0 MHz to 3000 MHz                                |
| Return loss typical               | 20 dB  |
| Insertion loss typical            | 0.4 dB   |
| CW power frame                    | 12 W   |
| Static spark voltage              | 90 V, +/- 20 % (@ 100 V/s)                       |
| Residual pulse energy (typ.)      | 350 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs) |
| Surge current handling capability | 10 kA single, 5 kA multiple (test pulse 8/20 μs) |

| Electrical bands    |                    |
|---------------------|--------------------|
|                     | Range 1            |
| Frequency range     | 0 MHz ... 2000 MHz |
| Return loss typical | 20 dB              |
| Insertion loss      | 0.2 dB             |
| Power avg. / peak   | 12 W / -           |

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| Electrical remarks |                                       |
|--------------------|---------------------------------------|
| DC current         | 3 A                                   |
| Gas tube           | Yes DC, GDT included, not replaceable |

| Mechanical data |      |
|-----------------|------|
| Weight          | 85 g |
| Mating cycles   | 30   |

| Environmental data             |                                  |
|--------------------------------|----------------------------------|
| Operation temperature          | -40 °C ... 85 °C                 |
| Storage temperature            | -40 °C ... 85 °C                 |
| Ingress protection (IP Rating) | IP67                             |
| Thermal shock according        | MIL-STD-202, Method 107, Cond. B |
| Vibration according            | MIL-STD-202, Method 204, Cond. D |
| Moisture resistance according  | MIL-STD-202, Method 106          |

| Comment |   |
|---------|---|
|         | - Grounding lug 9075.99.0026 for cable size AWG 6 / 16mm2 included - Waterproof IP67 in the coupled state with suitable waterproof connectors |

| Ordering Information Table |                  |
|----------------------------|------------------|
| Item number                | Item description |
| 85031227                   | 3406.99.0016     |

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