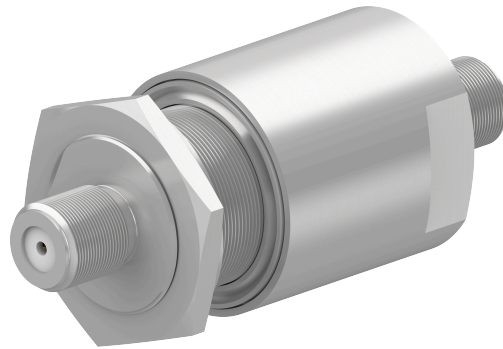


**COAXIAL SURGE PROTECTOR DEVICE, Slim Line GDT technology**

3406.99.0004

**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      | MH25 (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: Copper Beryllium Alloy / Gold Plating (without Nickel underplating) |
|                                    | Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating) |

| Electrical data                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| Impedance                         | 75 $\Omega$                                                     |
| Frequency frame                   | 0 MHz to 2500 MHz                                               |
| Return loss typical               | 11 dB                                                           |
| Insertion loss typical            | 0.35 dB                                                         |
| CW power frame                    | 60 W                                                            |
| Static spark voltage              | 200 V, +/- 25 % (@ 100 V/s)                                     |
| Residual pulse energy (typ.)      | 250 $\mu$ J (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s) |
| Surge current handling capability | 10 kA single, 5 kA multiple (test pulse 8/20 $\mu$ s)           |

| Electrical bands    |                    |                       |
|---------------------|--------------------|-----------------------|
|                     | Range 1            | Range 2               |
| Frequency range     | 0 MHz ... 1900 MHz | 1900 MHz ... 2100 MHz |
| Return loss typical | 18 dB              | 15 dB                 |
| Insertion loss      | 0.2 dB             | 0.2 dB                |

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| Electrical bands               |                                   |                                       |                      |
|--------------------------------|-----------------------------------|---------------------------------------|----------------------|
|                                | Range 1                           |                                       | Range 2              |
| Power avg. / peak              | 60 W / -                          |                                       | 60 W / -             |
|                                |                                   |                                       |                      |
| Electrical remarks             |                                   |                                       |                      |
| Gas tube                       |                                   | Yes DC, GDT included, not replaceable |                      |
|                                |                                   |                                       |                      |
| Environmental data             |                                   |                                       |                      |
| Operation temperature          |                                   | -40 °C ... 85 °C                      |                      |
| Storage temperature            |                                   | -40 °C ... 85 °C                      |                      |
| Ingress protection (IP Rating) |                                   | IP65                                  |                      |
| 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               |                      |
|                                |                                   |                                       |                      |
| Compliance                     |                                   |                                       |                      |
| Item number                    | Directive / Regulation            | Rating                                | Exemptions / Details |
| 23024367                       | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption              | 6c                   |
|                                | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1%       | CAS: 7439-92-1 Lead  |
|                                |                                   |                                       |                      |
| Ordering Information Table     |                                   |                                       |                      |
| Item number                    |                                   | Item description                      |                      |
| 23024367                       |                                   | 3406.99.0004                          |                      |

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