

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz  
3401.26.C

Properties

- Broadband frequency operation from DC to 1 GHz
- Gas discharge tube replaceable and not included
- DC/AC remote powering via coaxial same cable
- Surge current handling capability 30 kA once and 20 kA multiple
- Semper self-extinguishing functionality optional



| Product configuration       |                                      |
|-----------------------------|--------------------------------------|
| Main path connectors        | Port 1: unprotected, TNC plug (male) |
|                             | Port 2: protected, TNC jack (female) |
| Mounting and grounding      | MH12 (bulkhead mounting)             |
| Side of bulkhead            | protected side                       |
| EMP can be install reversed | YES                                  |

| Interface and material data        |   |
|------------------------------------|---|
| Housing material / plating         | Brass / SUCOPLATE (R) Plating   |
| Center contact, material / plating | Port 1: Brass / Gold Plating (without Nickel underplating)                  |
|                                    | Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating) |

| Electrical data                   |   |
|-----------------------------------|---|
| Impedance                         | 50 Ω  |
| Frequency frame                   | 0 MHz to 1000 MHz                                 |
| Return loss typical               | ≥ 19 dB   |
| Insertion loss typical            | ≤ 0.1 dB  |
| CW power frame                    | ≤ 150 W   |
| Residual pulse energy (typ.)      | 350 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)  |
| Residual pulse voltage (typ.)     | 650 V (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)   |
| Surge current handling capability | 30 kA single, 20 kA multiple (test pulse 8/20 μs) |

| Electrical bands |                   |
|------------------|-------------------|
|                  | Range 1           |
| Frequency range  | 0 MHz ... 300 MHz |

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| Electrical bands    |            |
|---------------------|------------|
|                     | Range 1    |
| Return loss typical | ≥ 26.44 dB |
| Insertion loss      | ≤ 0.1 dB   |
| Power avg. / peak   | ≤150 W / - |

| Electrical remarks |                                       |
|--------------------|---------------------------------------|
| Gas tube           | Yes DC, GDT not included              |
| Electrical remarks | Data refer to GDT 9071.99.0547, 230 V |

| Mechanical data |      |
|-----------------|------|
| Weight          | 90 g |
| Mating cycles   | 500  |

| Environmental data             |                                  |
|--------------------------------|----------------------------------|
| Operation temperature          | -40 °C ... 85 °C                 |
| Storage temperature            | -40 °C ... 85 °C                 |
| Ingress protection (IP Rating) | IP20                             |
| 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 |
| 22646115    | 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 |
| 22646115                   | 3401.26.C        |

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