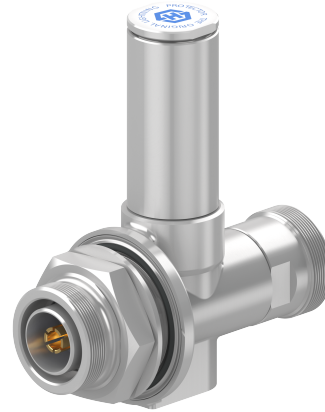


# COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.41.0196

## Properties

- Maintenance-free products
- Highest current handling capability up to 100 kA max.
- Best PIM performance
- Available in several frequency ranges from 380MHz up until 18GHz
- Inertion loss not exceeding 0.2 dB max.



## Product configuration

|                             |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| Main path connectors        | Port 1: unprotected, 7/16 jack (female)<br>Port 2: protected, 7/16 jack (female) |
| Mounting and grounding      | MH74 (bulkhead mounting), M8 (screw), brk (bracket)                              |
| 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: Copper Beryllium Alloy / Silver Plating<br>Port 2: Copper Beryllium Alloy / Silver Plating |

## Electrical data

|                                   |                                                               |
|-----------------------------------|---------------------------------------------------------------|
| Impedance                         | 50 $\Omega$                                                   |
| Frequency frame                   | 380 MHz to 512 MHz                                            |
| Return loss typical               | 20 dB                                                         |
| Insertion loss typical            | 0.1 dB                                                        |
| CW power frame                    | 3000 W                                                        |
| PIM 3rd order                     | -150 dBc typ.                                                 |
| Residual pulse energy (typ.)      | 5 $\mu$ J (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s) |
| Surge current handling capability | 50 kA multiple (test pulse 8/20 $\mu$ s)                      |

## Electrical remarks

|          |                          |
|----------|--------------------------|
| Gas tube | No DC / shorted QW or LC |
|----------|--------------------------|

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| Mechanical data                |                                  |
|--------------------------------|----------------------------------|
| Weight                         | 573 g                            |
| Mating cycles                  | 500                              |
| 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. A |
| Moisture resistance according  | MIL-STD-202, Method 106          |
| Ordering Information Table     |                                  |
| Item number                    | Item description                 |
| 23026613                       | 3400.41.0196                     |

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DOCUMENT PIM-P2053 / Date of publication: 31.10.2024 / uncontrolled copy