

Telegartner Surge Protector, 4.3-10 Female to 4.3-10 Female, 3.8 GHz, Bulkhead

SKU: ACC-TG-00007
 MPN: 100025373

Description

The Telegärtner Surge Protector (SKU: ACC-TG-00007) provides robust protection for high-frequency applications up to 3.8 GHz, making it ideal for 5G networks and other high-performance systems. Designed with 4.3-10 Female to 4.3-10 Female connectors, this bulkhead surge protector utilises a Gas Discharge Tube (GDT) capable of handling discharge currents up to 40 kA (8/20 impulse), ensuring effective defence against high voltage surges. The GDT is replaceable for easy maintenance, enhancing the product's long-term reliability.

The protector's design ensures minimal signal degradation, maintaining excellent return loss values at high frequencies. Its construction features high-quality materials such as a Lead-Brass Alloy (CuZn39Pb3) and Copper-Silver Alloy (Cu2Ag5/Cu2Ag3), guaranteeing durability. The component operates effectively between -40 °C and 85 °C and is rated IP67 for superior environmental protection.

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RF Connector Interface



| RF Interface | Body Shape | Mounting |
|---------------|------------|--------------|
| 4.3-10 Female | Straight | Free Hanging |
| 4.3-10 Female | Straight | Bulkhead |



Telegartner

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| | | | |
|---------------------|---------|---------------------------|---------------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 3.8 GHz | Impulse Discharge: | 10 x 15 kA (8/20 s) |
| Spark-over Voltage: | 75 V | Inner Contact Resistance: | ≤ 2 mΩ |
| | | Outer Contact Resistance: | ≤ 1 mΩ |

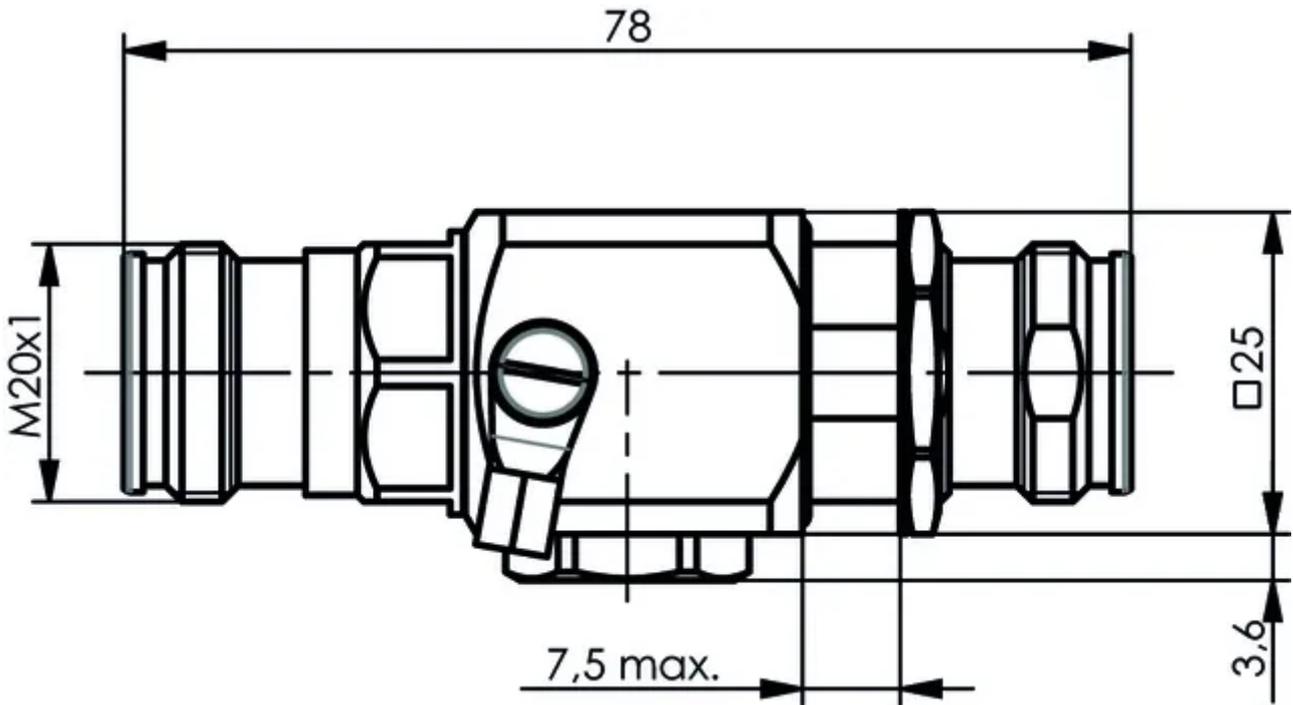
VSWR Measurement

| Frequency | Return Loss | Insertion Loss |
|-----------|-------------|----------------|
| 2700 MHz | ≤ 30 dB | 0.1 dB |
| 3800 MHz | ≤ 20 dB | 0.25 dB |

Physical Specification

| | | | |
|----------------------------|------------------------------|-----------------------------|--|
| Body Material: | Lead-Brass Alloy (CuZn39Pb3) | Contact Material: | Beryllium Copper, Lead-Brass Alloy (CuZn39Pb3) |
| Body Plating: | CuSnZn3 | Contact Plating: | Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3) |
| Insulator Material: | PTFE / Teflon | Min. Operating Temperature: | -40 °C |
| Dimensions: | 78 x 25.3 x 28.6 | Max. Operating Temperature: | 85 °C |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles: | > 100 |
| RoHS | | Ingress Protection: | IP67 |

Drawing



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