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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.

Telegärtner, a German...

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Telegärtner

As family-owned company the Telegärtner Group has developed to an international network of affiliated companies specialising in intermediate and end products for telecommunications and data communications for customers with the most exacting demands for high-tech applications over the last 70 years.

Since the company was set up in 1945 Telegärtner has seen steady growth and has continually expanded ...

RF Connector Interface

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

RF Specification

Start Frequency
0 GHz
Stop Frequency
3.8 GHz
Spark-over Voltage
75 V
Input Impedance
50 Ω
Impulse Discharge
10 x 15 kA (8/20µs)
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)

Body Plating

CuSnZn3

Insulator Material

PTFE / Teflon

Dimensions

78 x 25.3 x 28.6

Compliance/Certifications

ISO 9001 Quality Management

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RoHS

Contact Material

Beryllium Copper, Lead-Brass Alloy (CuZn39Pb3)

Contact Plating

Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

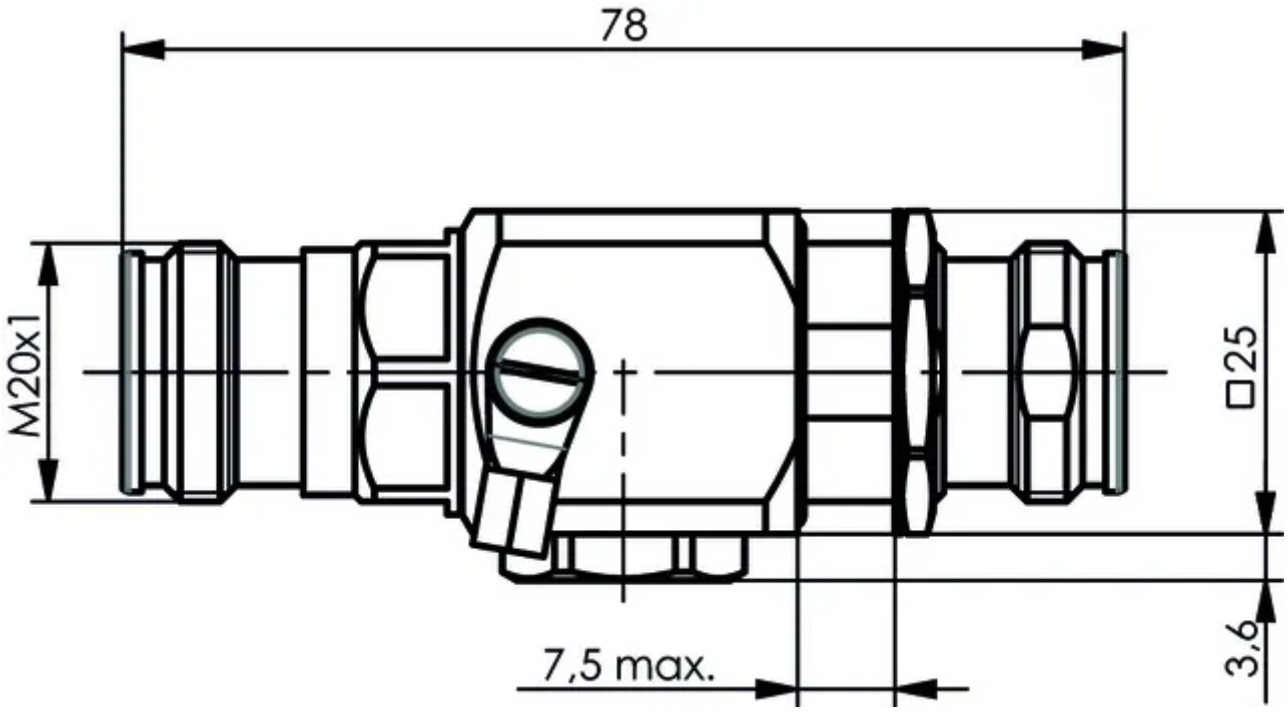
Mating Cycles

> 100

Ingress Protection

IP67

Drawing



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