

# 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...

[Read More](#)

RF Connector Interface



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

### 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...

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

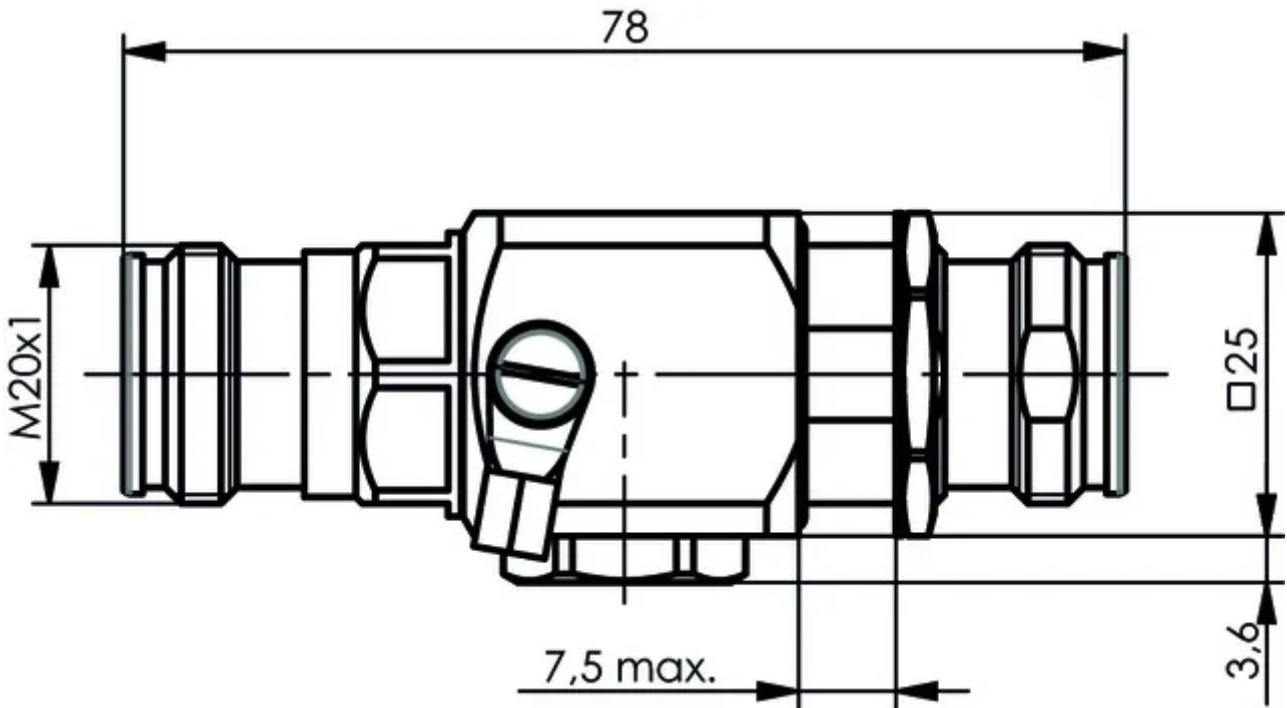
VSWR Measurement

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



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

