MicroMate®

The GPRS Antenna Surge Protector Device (SPD) for radio transmission and receiving systems is designed, fabricated and tested according to the IEC61644 and GB50343 international standards.

The product helps prevent damages to sensitive radio equipment due to transcient surge voltage which is commonly induced by area lightning strikes and power noises. With simple connections, it can be easily installed on 75 ohm or 50 ohm coaxial antennas to protect your valueable equipment or system from permanent damages, momentarily interruptions or other hazards.

- Provides lightning surge protection against transcient voltage at the intersection of LPZ1 and LPZ2 as defined in GB50343 lightning protection zones.
- Para-feed voltage of AC 60V @ 625MHz operating frequency.
- Large discharge current with fast response time.
- Small standing-wave ratio with low insertion loss.
- Small size, light-weight and simple maintenance design.
- Suitable for radio transmission and receiving systems such as satellite, signal-amplifying systems, wireless communication systems and so on.

Technical Specifications

MODEL	GPRS-75F	GPRS-50N
Characteristic Impedance	75Ω	50Ω
Interface Model	Type F	Type N
Max. Operating Frequency	2.5GHz	3.0GHz
Nominal Discharge Current (8/20μs) (In)	5KA	
Max. Discharge Current (8/20μs) (Imax.)	10KA	
Voltage Protection Level (Up)	≤600V	
Standing-wave Ratio	≤1.2	
Transmission Power	200W	300W
Insertion Loss	≤0.2dB	
Working Environment	Temperature -40°C +70°C; Relative Humidity <90%	
Dimension (L x W x H)	50 x 27 x 25 mm^3	70 x 27 x 25 mm^3
Weight	0.10KG	0.13KG

Note: Due to the policy of continued product improvement, specifications are subject to change without notice.

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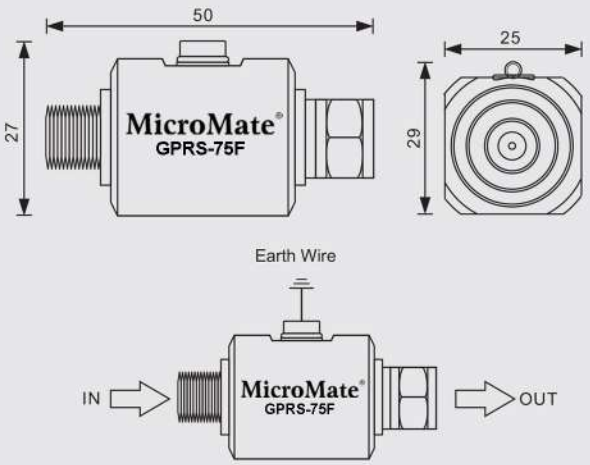
Product Installation

1. The unit is installed between the antenna channel and the device protected, the output terminal is connected with the device protected.

2. Grounding should comply with the lightning protection standard; grounding wire should be as thick and short as possible, ground resistance should be less than 4Ω.

3. When system deteriorate, you should check the SPD condition.

Dimensions and Installation Diagram



Unit: mm

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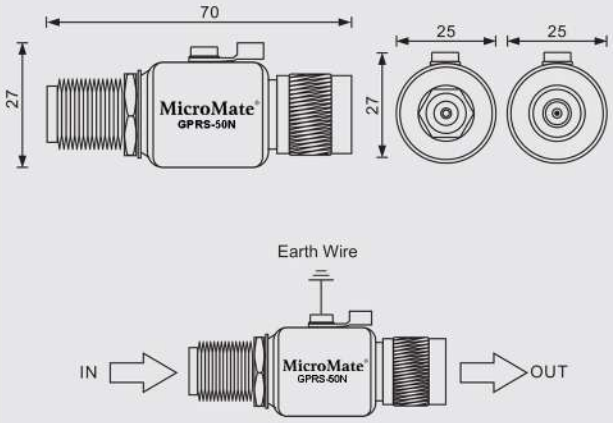

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