

**7/16 M/F In/Out Coaxial RF Surge Protector,  
 800MHz - 2.5GHz, DC Pass, 300W, IP67, 20kA,  
 Hybrid, Bracket Toward Body**

RF surge protector (also known as lightning arrester) FMSP1017 from Fairview Microwave, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD) and a MOV and gas tube, enables a quick response to a lightning surge to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. All Fairview Microwave RF surge protector products are available in stock with same day shipping.



**Electrical Specifications**

Surge Protector Type Hybrid  
 DC Handling DC Pass

Description	Min	Typ	Max	Units
Frequency Range	0.8		2.5	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.1	dB
Input Power, CW			300	Watts
Surge Current IEC 61000-4-5 8/20µs WAVEFORM			20	kA
Turn On Voltage		6.5		Volts
Throughput Energy FOR 3kA @ 8/20µs WAVEFORM			175	µJ

**Mechanical Specifications**

**Configuration**

Input Connector 7/16 DIN Male  
 Output Connector 7/16 DIN Female

**Environmental Specifications**

**Temperature**

Operating Range -50 to 85 deg C  
 Ingress Protection (IP) Rating IP 67

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**Features:**

- Surge current of 20kA
- Max Power 300W
- Frequency range from 800 MHz to 2.5 GHz
- 7/16 DIN male connector to 7/16 DIN female connector
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant

**Applications:**

- GPS systems
- Active antenna systems

Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

7/16 M/F In/Out Coaxial RF Surge Protector, 800MHz - 2.5GHz, DC Pass, 300W, IP67, 20kA, Hybrid, Bracket Toward Body from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [7/16 M/F In/Out Coaxial RF Surge Protector, 800MHz - 2.5GHz, DC Pass, 300W, IP67, 20kA, Hybrid, Bracket Toward Body FMSP1017](#)

URL: <https://www.fairviewmicrowave.com/7-16-din-surge-protector-2.5ghz-hybrid-fmsp1017-p.aspx>

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