

# RF Surge Protection Solutions

## **SureLinx™ RF1-FFM-23C**

### **In-Line Coaxial Lightning & Power Cross Protector Series**

The ACDATA RF1-FFM-23C from Raycap is a gas tube protector that offers radio frequency and coaxial cable protection.

**ACData®**

RF1-FFM-23C

#### **Features**

- Fail short power cross mechanism for joint use right of way
- DC power pass capability for network powered equipment
- Robust surge life
- Type F connector
- Gas tube protection technology

#### **Benefits**

Provides surge suppression solutions for coaxial cable.

#### **Basic Applications**

- Telecommunications

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### In-Line Coaxial Lightning & Power Cross Protector Series

ACData®

Electrical		RF1-FFM-23C
Series Impedance per Line		75 $\Omega$
Surge Life	10 Surges of	5 kA 8/20 $\mu$ s
	10 Surges of	1 kA 8/20 $\mu$ s
	100 Surges of	100 A 10/1000 $\mu$ s
	1500 Surges of	10 A 10/1000 $\mu$ s
Power Cross Life	60 operations @	1 A for 1 second
	5 operations @	5 A for 1 second
Operating Frequency		DC to 1.5 GHz, DC pass
Insertion Loss		$\leq 0.1$ dB to 1 GHz $\leq 0.2$ dB to 1.5 GHz
Return Loss		$> 30$ dB to 1 GHz $> 20$ dB to 1.5 GHz
Voltage Standing Wave Ratio (VSWR)		$\leq 1.1:1$ to 1 GHz $\leq 1.2:1$ to 1.5 GHz
Suppression Technology		GDT
Mechanical		RF1-FFM-23C
Connector Type		Type F, Male-Female Bidirectional
Operating Temperature (°C)		-40° C to +60° C
Dimensions	Length	2.50" [63.50 mm]
	Diameter	0.625" [15.88 mm]
Weight		0.077 lbs [34.92 g]
Standards Compliance & Certifications		
Standards	UL 497C 2 <sup>nd</sup> Edition: 2008	
Certifications	UL	

