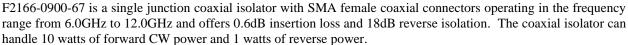


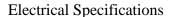
# BROADBAND COAXIAL ISOLATOR F2166-0900-67

### **Key Features:**

- ➤ Wide operating frequency range from 6.0 to 12.0GHz
- > 0.6dB insertion loss and 18dB reverse isolation
- > 50 ohm SMA female coaxial connectors
- ➤ 10 Watts CW forward power handling, 1 Watts reverse power termination
- ➤ -25~+70°C operating temperature range
- ➤ Weight 25.2 Grams (0.89 OZ)







No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	6.0		12.0
2	Insertion Loss @ Room temp.	dB	-		0.6
3	Reverse Isolation @ room temp.	dB	18.0		
4	VSWR @ room temp.	-			1.50:1
5	Forward Power CW	Watts			10
6	Reverse Power CW	Watts			1
7	RF Connectors	-	50 Ohm SMA Female		
8	Signal Flow Direction	-	From Port 1 to Port 2		

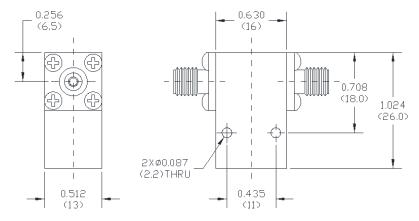
### Materials, Environmental & Mechanical Specifications

No.	Parameters	Specifications			
		Minimum	Typical	Maximum	
1	Isolator Body	Aluminum			
2	Magnetic Shunt/Shield	Steel, nickel plated			
3	Connector Body	Brass, gold plated			
4	Connector Center Contact	Beryllium Copper, gold plated			
5	Insulator	PTFE(Teflon)			
6	Operating Temperature	-25 to +70 °C			
7	Survive Temperature	-55 to +125 °C			
9	Outline Dimensions	0.630×1.024×0.512 inches <sup>3</sup> (16.0×26.0×13.0 mm <sup>3</sup> )			
10	Weight	0.89OZ (25.2 grams)			
11	RoHS & REACH Compliance	Yes			



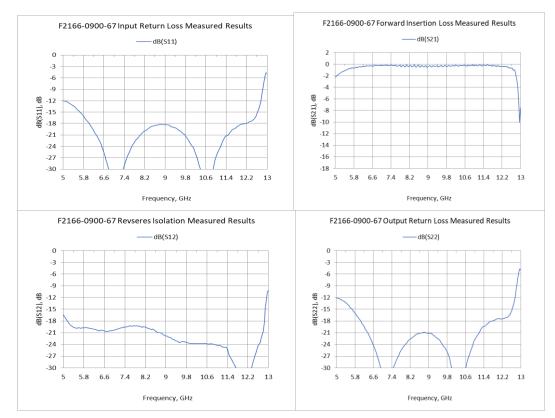
# BROADBAND COAXIAL ISOLATOR F2166-0900-67

### Mechanical Structure:



### **Typical Test Plots:**

Note: All units in inches (mm).



## **Revision History:**

Revision	Date	Description	Comments
A00	06/18/2020	Initial Release	