

Key Features:

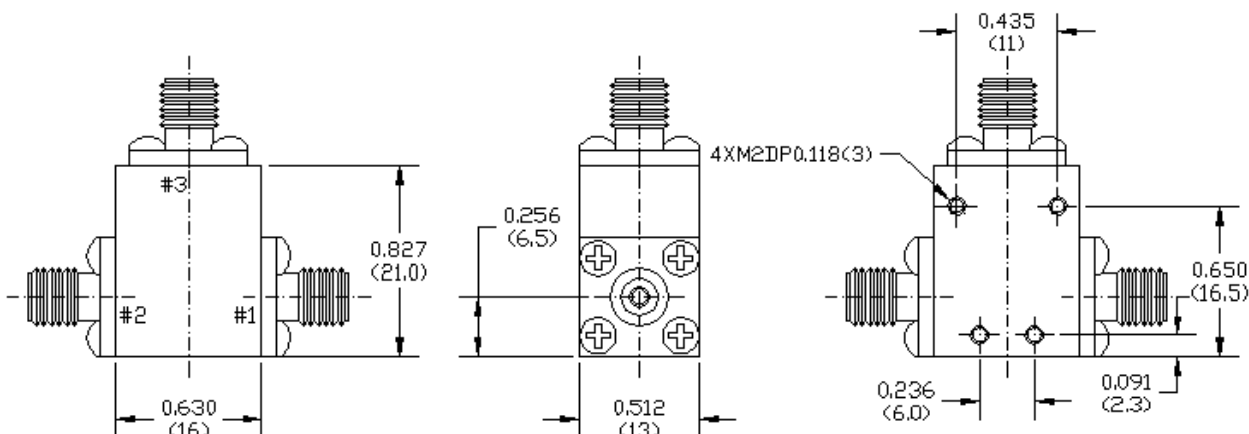
- Octave bandwidth operation, frequency range from 6.0 to 12.0GHz
- 0.6dB maximum insertion loss and 16dB minimum reverse isolation
- 10 Watts CW forward power handling
- -40~+70°C operating temperature range

**Description:**

F2666-0900-67 is a single junction coaxial circulator with 50 ohm SMA female coaxial connectors operating in the frequency range from 6.0 to 12.0 GHz and offers 0.6dB maximum insertion loss and 16dB minimum reverse isolation. The coaxial isolator can handle 10 watts of forward CW power.

Electrical Specifications

No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	6.0		12.0
2	Insertion Loss @ room temperature	dB	-	0.4	0.6
2A	Insertion Loss over temperature	dB		0.5	0.8
3	Reverse Isolation @ room temp.	dB	16.0		
3A	Reverse Isolation over temperature	dB	15.0		
4	VSWR (return loss) @ room temp.	-	-	-	1.40:1(-15.50)
4A	VSWR (return loss) over temperature	-	-	-	1.60:1(-12.74)
5	Forward Power CW/Peak	Watts			10/100
6	Operating Temperature	°C	-40		+70
7	Impedance	Ω		50	
8	RF Connectors	-	SMA Female		
9	Signal Flow Direction	-	From port 1 to port 2 to port 3		

Mechanical Structure:

Note: All units in inches (mm).



BROADBAND COAXIAL CIRCULATOR

F2666-0900-67

Revision History:

Revision	Date	Description	Comments
A00	02/28/2017	Initial Release	