

Key Features:

- Wide operating frequency range from 4.0 to 8.0GHz
- 0.3dB typical insertion loss and 19dB minimum reverse isolation
- 5 Watts CW forward power handling
- -20~+65°C operating temperature range



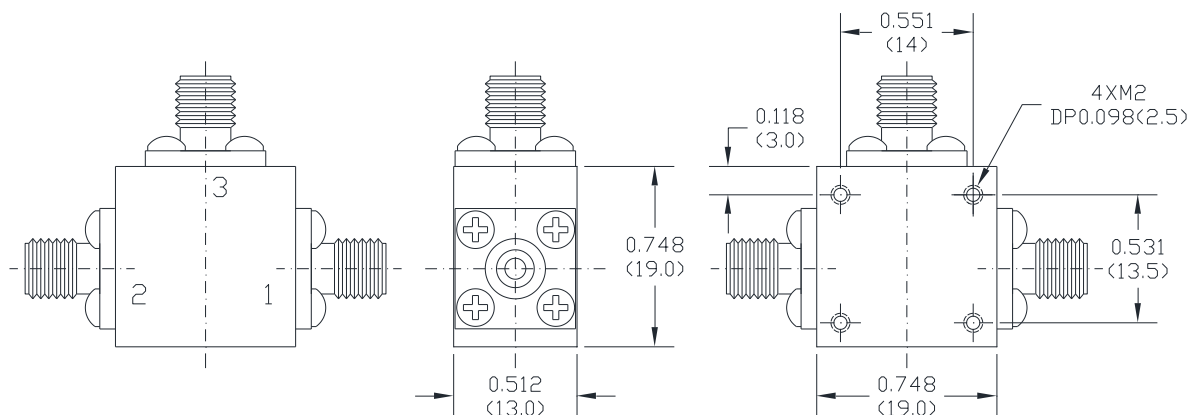
Description:

F2658-0600-67 is a single junction coaxial circulator with 50 ohm SMA female coaxial connectors operating in the frequency range from 4.0 to 8.0 GHz and offers 0.3dB typical insertion loss and 19dB minimum reverse isolation. The coaxial isolator can handle 5 watts of forward CW power.

Electrical Specifications

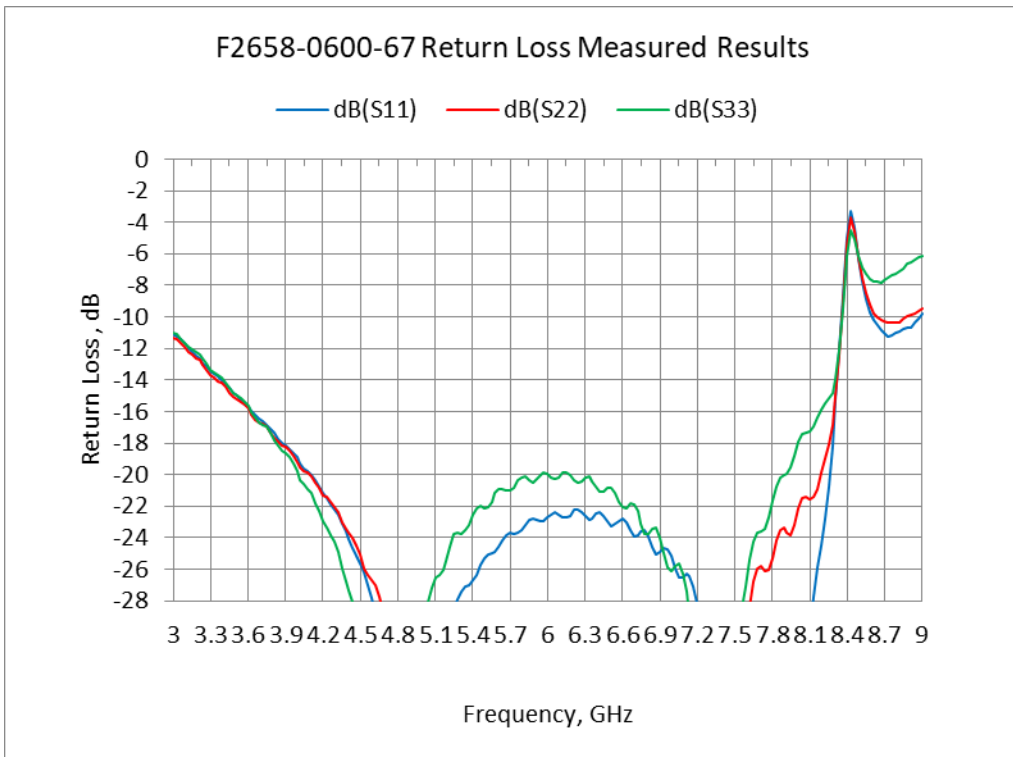
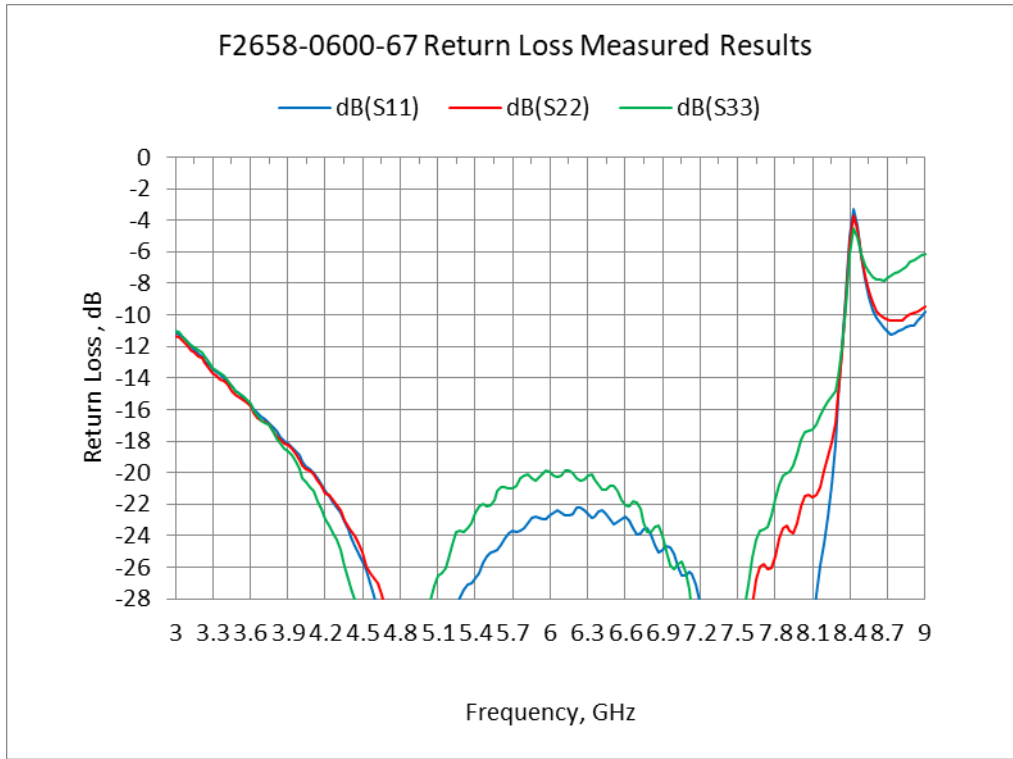
No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	4.0		8.0
2	Insertion Loss @ room temperature	dB	-	0.3	0.5
2A	Insertion Loss over temperature	dB		0.4	0.6
3	Reverse Isolation @ room temp.	dB	18.0		
3A	Reverse Isolation over temperature	dB	17.0		
4	VSWR (return loss) @ room temp.	-	-	-	1.30:1(-17.70)
4A	VSWR (return loss) over temperature	-	-	-	1.40:1(-15.56)
5	Forward Power CW	Watts			5
6	Operating Temperature	°C	-40		+85
7	Impedance	Ω		50	
8	RF Connectors	-	SMA Female		
9	Signal Flow Direction	-	From port 1 to port 2 to port 3		

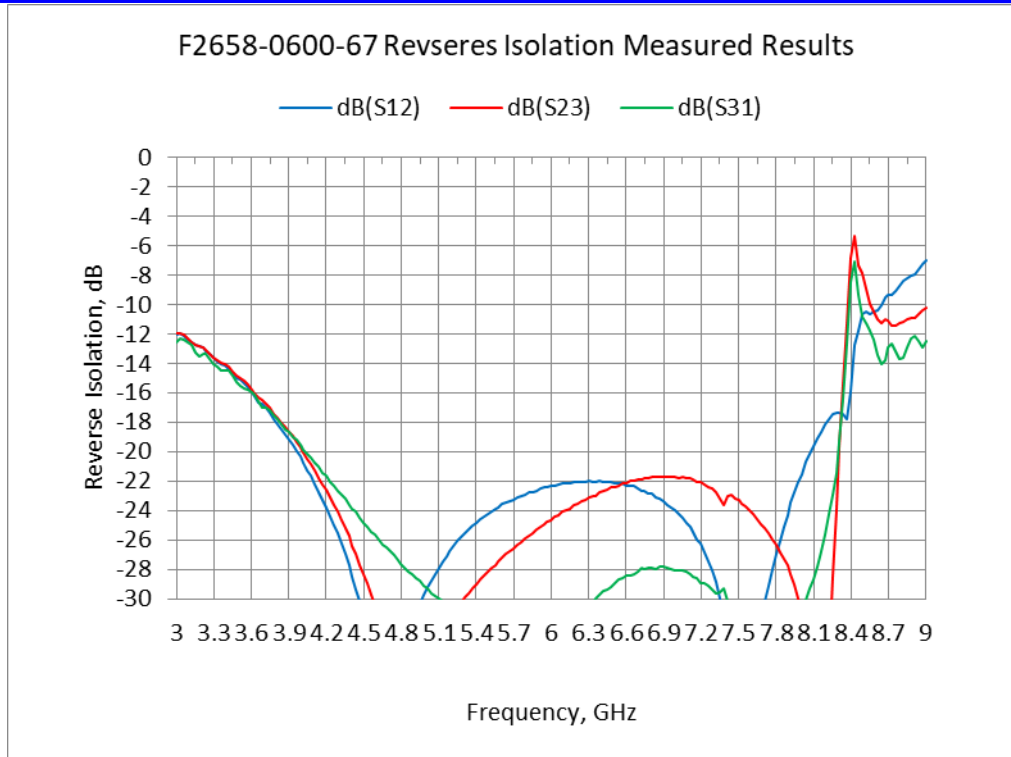
Mechanical Structure:



Note: All units in inches (mm).

Typical Test Plots:





Revision History:

Revision	Date	Description	Comments
A00	06/20/2020	Initial Release	