

Key Features:

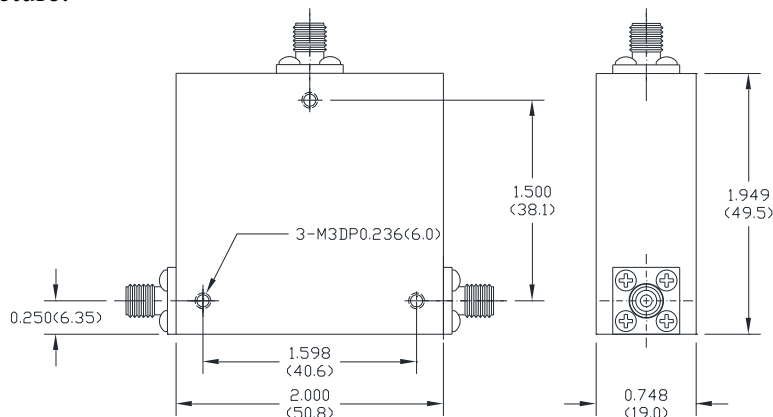
- Wide operating frequency range from 1.35 to 2.70GHz
- 0.4dB typical insertion loss and 20dB typical reverse isolation
- 50 Watts CW/200 Watts peak forward power handling
- -40~+85°C operating temperature range
- Two-sided mounting screw holes
- Weight 177 grams (6.25 OZ)

**Description:**

F2585-0203-67 is a single junction coaxial circulator with 50 ohm SMA female coaxial connectors operating in the frequency range from 1.35 to 2.70GHz and offers 0.4dB typical insertion loss and 20dB typical reverse isolation. The coaxial isolator can handle 50 watts of forward CW power and 200 watts of peak pulse power.

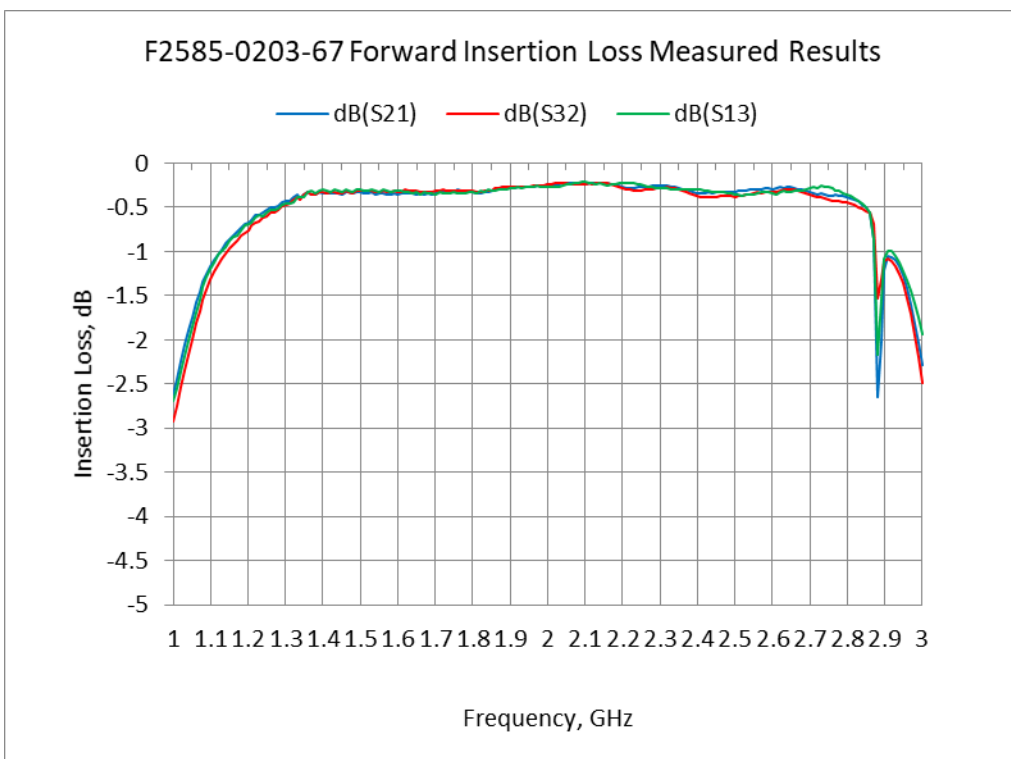
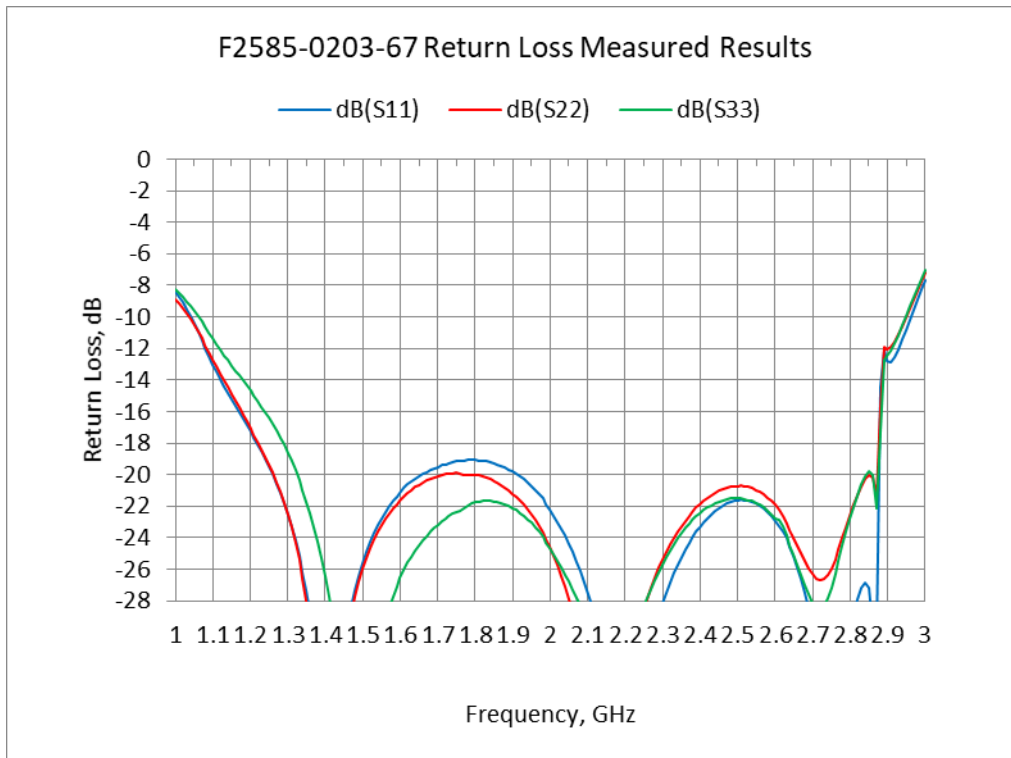
Electrical Specifications

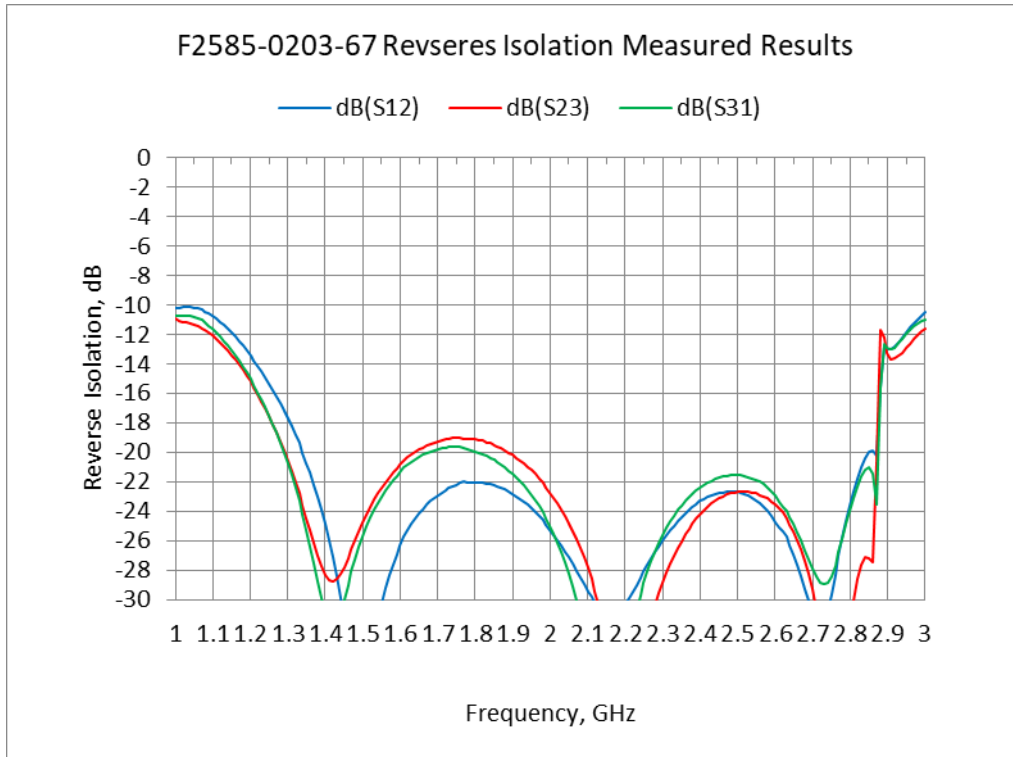
No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	1.35		2.70
2	Insertion Loss @ room temperature	dB	-	0.4	0.6
2A	Insertion Loss over temperature	dB		0.5	0.7
3	Reverse Isolation @ room temp.	dB	17.0	20.0	
3A	Reverse Isolation over temperature	dB	15.0	18.0	
4	VSWR (return loss) @ room temp.	-	-	-	1.35:1(-16.54)
4A	VSWR (return loss) over temperature	-	-	-	1.50:1(-14.00)
5	Forward Power CW	Watts			60
	Forward Peak power	Watts			200
7	Operating Temperature	°C	-40		+85
8	Impedance	Ω		50	
9	RF Connectors	-	SMA Female		
10	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	01/20/2020	Initial Release	