

Key Features:

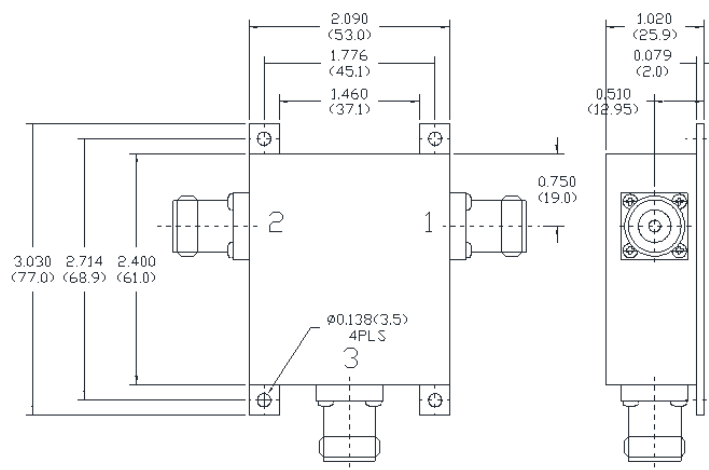
- Wide operating frequency range from 225 to 400MHz
- 50 Ohm Type N female coaxial connectors
- 60 Watts CW forward power handling
- Counter Clockwise signal circulating direction
- -20~+55°C operating temperature range
- Weight 310 grams (11.0 OZ)

**Description:**

F2520-0312-56N is a single junction coaxial circulator with 50 ohm type N female coaxial connectors operating in the frequency range from 225 to 400MHz and offers 0.6dB typical insertion loss and 20dB typical reverse isolation. The coaxial isolator can handle 60 watts of forward CW power.

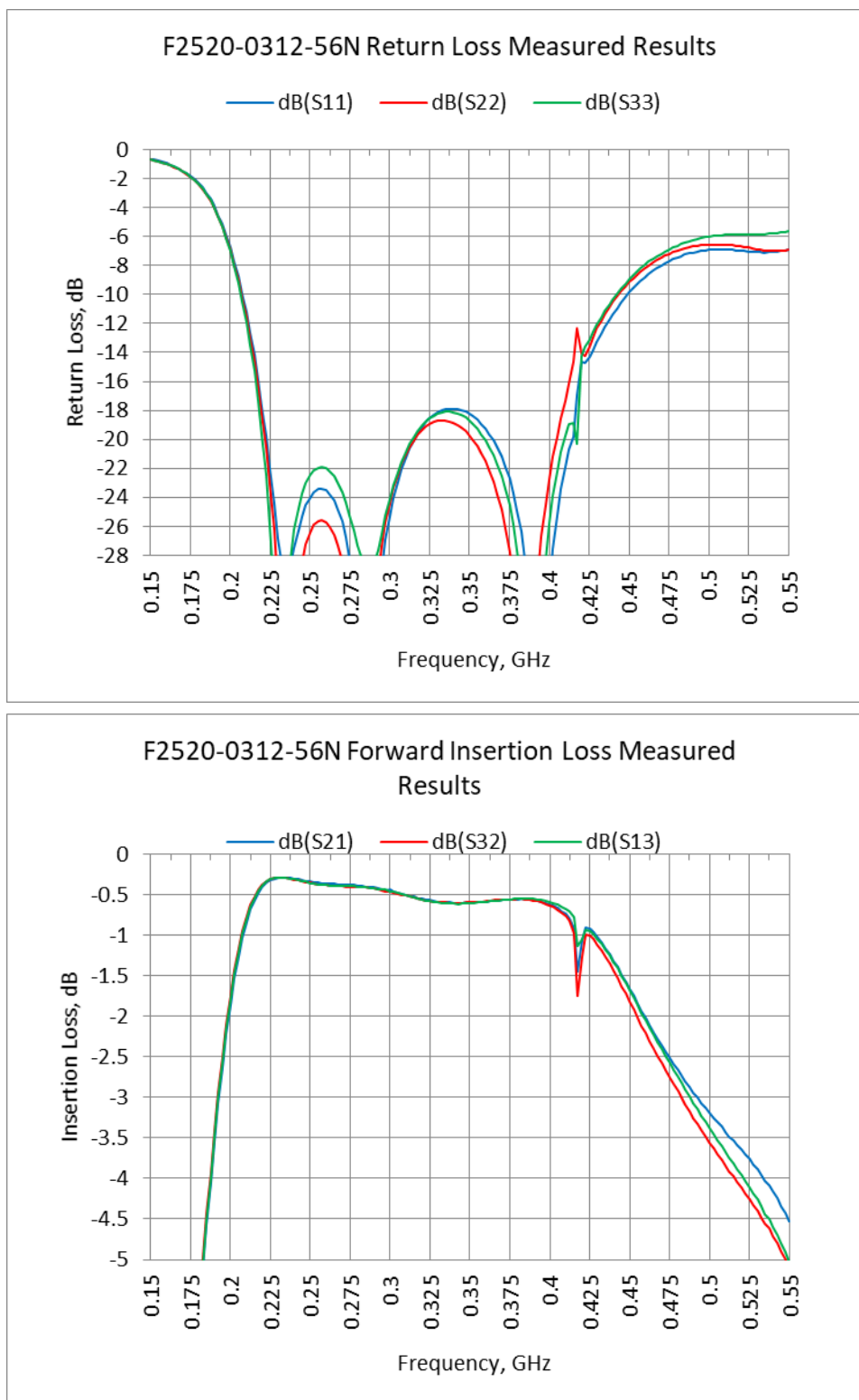
Electrical Specifications

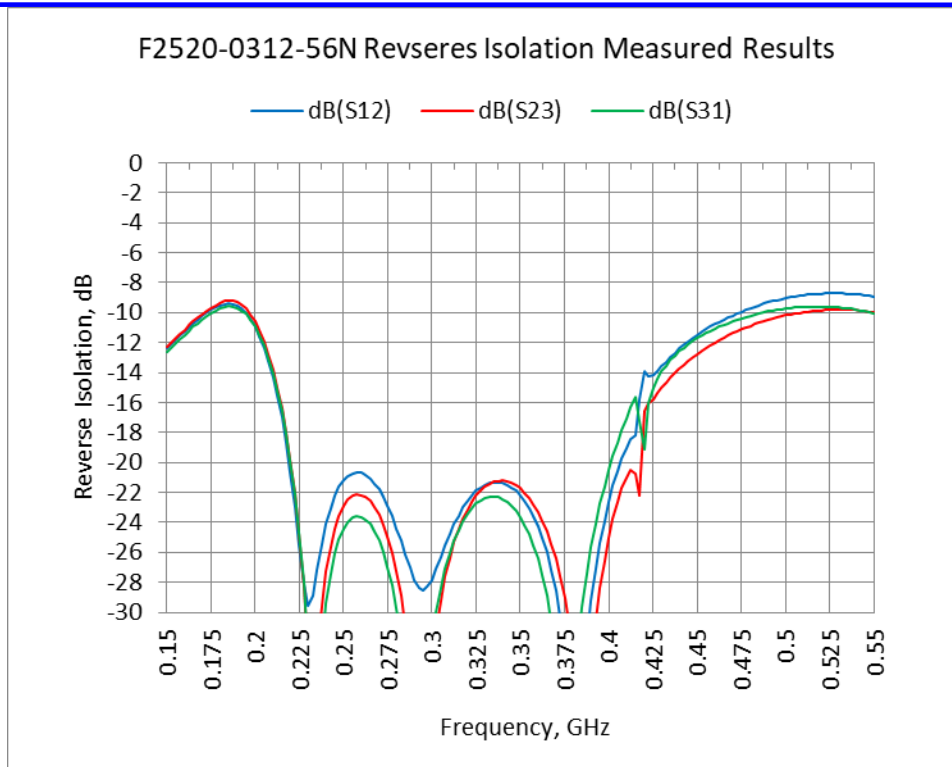
No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	MHz	225		400
2	Insertion Loss @ Room temp.	dB	-	0.6	1.0
2A	Insertion Loss over temp.			0.7	1.2
3	Reverse Isolation @ room temp.	dB	18.0	20.0	
3A	Reverse Isolation over temp.		17.0	19.0	
4	VSWR (Return Loss) @ room temp.	(dB)	-	-	1.35:1(-16.5)
4A	VSWR (Return Loss) over temp.	(dB)			1.40:1(-15.6)
5	Forward Power CW	Watts			60
7	Operating Temperature	°C	-20		+55
8	Impedance	Ω		50	
9	RF Connectors	-	50 ohm Type N 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	03/06/2020	Initial Release	