

Key Features:

- Wide operating frequency range from 2000 to 8000MHz
- 1.6dB Maximum insertion loss and 11dB minimum reverse isolation
- 50 ohm SMA female coaxial connectors
- 10 Watts CW forward power handling and 10 Watts reverse power termination
- -20~+70°C operating temperature range
- Weight 206 grams (7.3oz)

**Description:**

F2150-0500-C0 is a single junction coaxial isolator with SMA female coaxial connectors operating in the frequency range from 2.0GHz to 8.0GHz and offers 1.6dB maximum insertion loss and 11dB minimum reverse isolation. The coaxial isolator can handle 10 watts of CW power for both forward reverse directions.

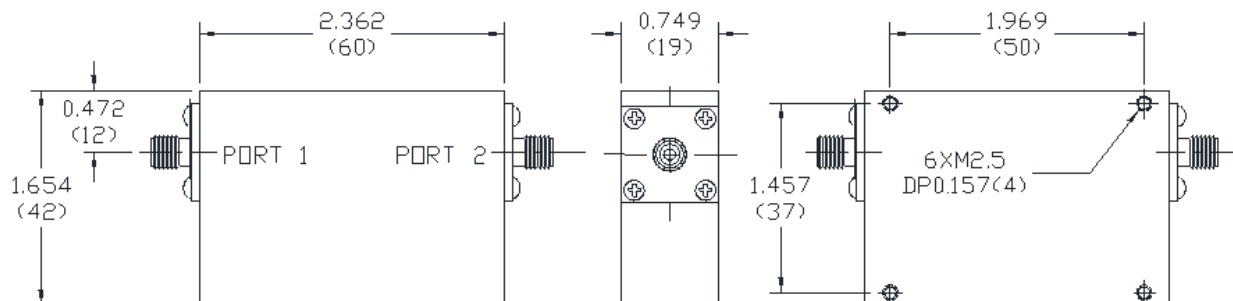
Electrical Specifications

No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	2.0		8.0
2	Insertion Loss @ Room temp.	dB	-	0.6	1.6
3	Reverse Isolation @ room temp.	dB	11.0	13.0	
4	VSWR @ room temp.	-	-	-	1.90:1
5	Forward Power CW	Watts			10
6	Reverse Power CW	Watts			10
7	RF Connectors	-	50 Ohm SMA Female		
8	Signal Flow Direction	-	From Port 1 to Port 2		

Materials, Environmental & Mechanical Specifications

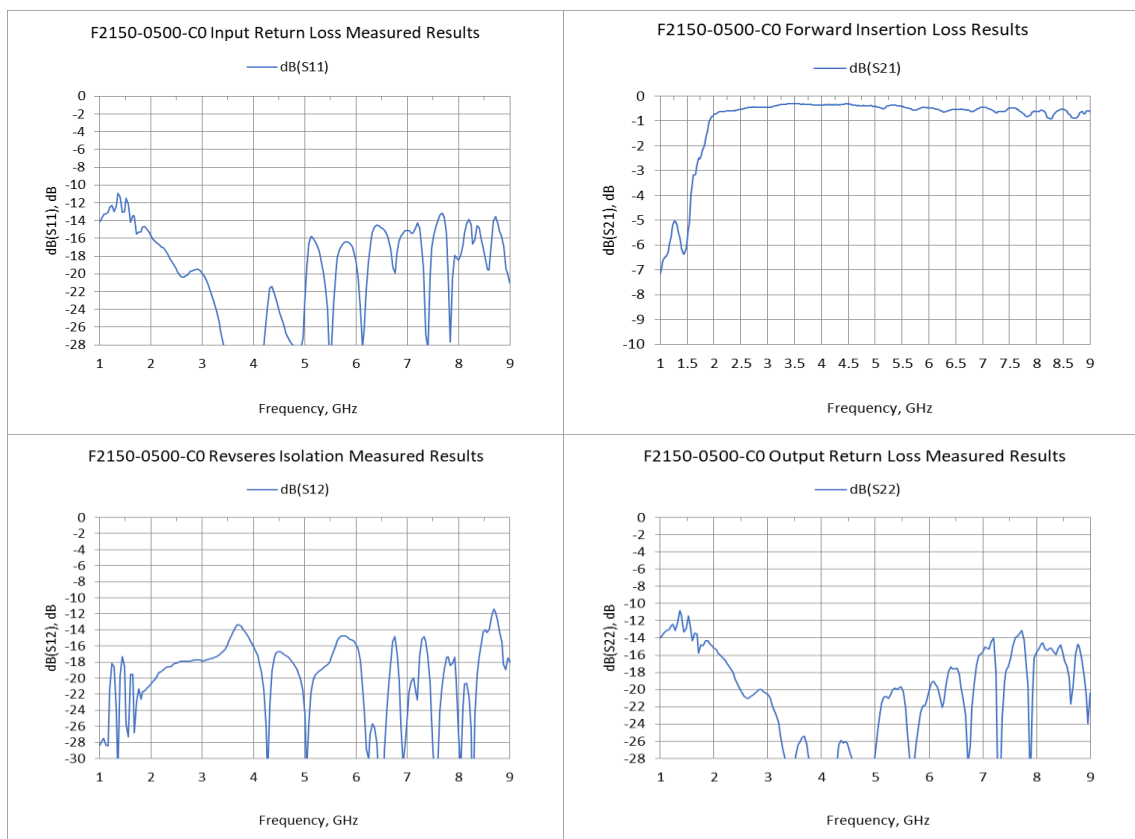
No.	Parameters	Specifications
1	Isolator Body	Aluminum
2	Magnetic Shunt/Shield	Steel, nickel plated
3	Connector Body	Brass, gold plated
4	Connector Center Contact	Beryllium Copper, gold plated
5	Insulator	PTFE(Teflon)
6	Operating Temperature	-20 to +70 °C
7	Survive Temperature	-55 to +125 °C
9	Outline Dimensions	2.362×1.654×0.749 inches ³ (60.0×42.0×19.0 mm ³)
10	Weight	7.30Z (206 grams)
11	RoHS & REACH Compliance	Yes

Mechanical Structure:



Note: All units in inches (mm).

Typical Test Plots:



Revision History:

Revision	Date	Description	Comments
A00	05/02/2020	Initial Release	