

Key Features:

- Wide operating frequency range from 12.0 to 18.0GHz
- 0.6dB maximum insertion loss and 18dB minimum reverse isolation
- 50 ohm SMA female coaxial connectors
- 10 Watts CW forward power handling, 10 Watts reverse power termination
- -25~+55°C operating temperature range

Description:

F2214-1250-40 is a single junction coaxial isolator with SMA female coaxial connectors operating in the frequency range from 10.0GHz to 15.0GHz and offers 0.5dB insertion loss and 20dB reverse isolation. The coaxial isolator can handle 10 watts of forward CW power and 10 watts of reverse power.

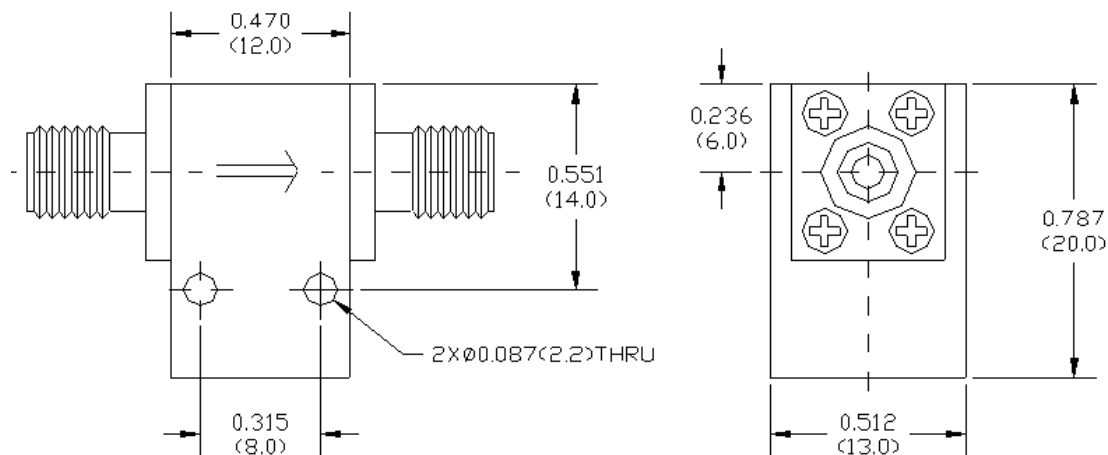
Electrical Specifications

No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	12.0		18.0
2	Insertion Loss @ Room temp.	dB	-		0.6
3	Reverse Isolation @ room temp.	dB	18.0		
4	VSWR @ room temp.	-	-	-	1.35:1
5	Forward Power CW	Watts			10
6	Reverse Termination Power CW	Watts			10
7	Impedance	Ω		50	
8	RF Connectors	-	SMA Female		
9	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 +55 °C
7	Survive Temperature	-45 to +85 °C
9	Outline Dimensions	0.470×0.787×0.512 inches ³ (12.0×20.0×13.0 mm ³)
10	Weight	0.65oz (18.5 grams)
11	RoHS & REACH Compliance	Yes

Mechanical Structure:



Note: All units in inches (mm).

Revision History:

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