

Key Features:

- Octave band high power operation from 2.0 to 4.0GHz
- 50 ohm type N female coaxial connectors
- 500 Watts CW forward and reverse power handling capability
- Through holes for mounting make it easy for system layout arrangement
- +10~+60°C operating temperature range

Description:

F2615U-0300-67 is a single junction high power coaxial circulator with type N female coaxial connectors operating in the frequency range from 2.0 to 4.0GHz and offers 0.6dB insertion loss and 16dB typical reverse isolation. The power rating of this device is 500 watts CW power.

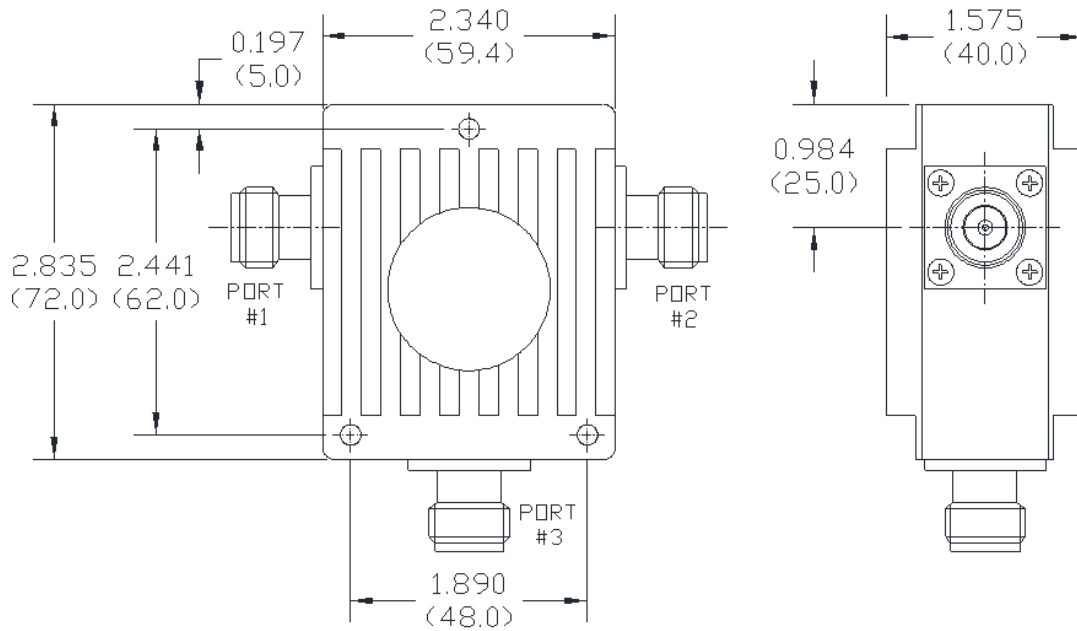
Electrical Specifications

No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	2.0		4.0
2	Insertion Loss	dB	-	0.35	0.6
3	Reverse Isolation	dB	16.0	18.0	
4	VSWR	-	-	-	1.40:1(-15.6)
5	Forward Power CW	Watts			500
7	Operating Temperature	°C	+10		+60
8	Impedance	Ω		50	
9	RF Connectors	-	Type N Female		
10	Signal Flow Direction	-	From Port #1 to Port #2 to Port #3		

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	+10 to +60 °C
7	Survive Temperature	-45 to +125 °C
9	Outline Dimensions	2.34×2.835×1.575 inches ³ (59.4×72.0×40.0 mm ³)
10	RoHS & REACH Compliance	Yes

Mechanical Structure:



Note: All units in inches (mm).

Revision History:

Revision	Date	Description	Comments
A00	08/12/2024	Initial Release	