

Key Features:

- Broadband high power operation from 2.0 to 6.0GHz
- 50 ohm SMA female coaxial connectors
- 100 Watts CW forward and reverse power handling capability
- +10~+60°C operating temperature range

Description:

F2636U-0400-A0S is a single junction high power coaxial circulator with type SMA female coaxial connectors operating in the frequency range from 2.0 to 6.0GHz and offers 0.8dB insertion loss and 13dB typical reverse isolation at room temperature. The power rating of this device is 100 watts CW power.

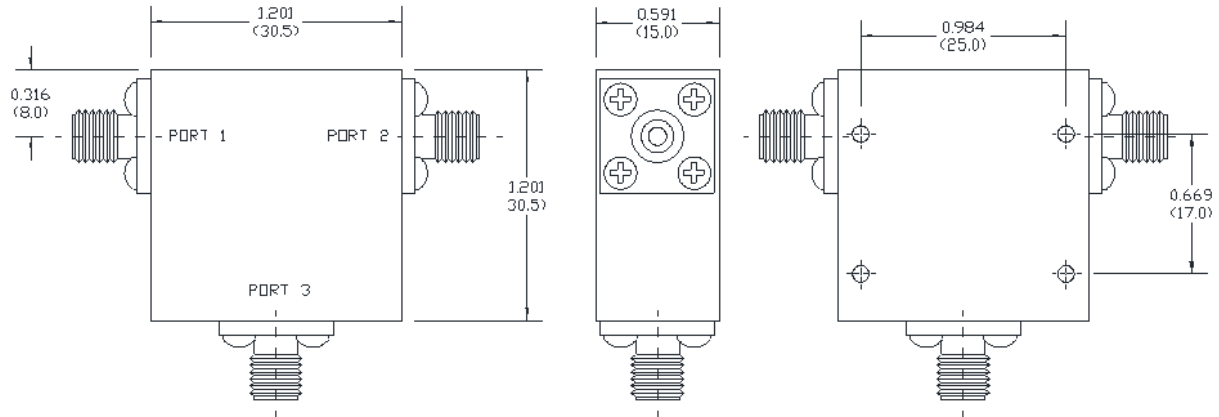
Electrical Specifications

No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	2.0		6.0
2	Insertion Loss at +20~+70°C	dB	-		0.8
2A	Insertion Loss at -40~+20°C 2.0~2.5GHz 2.5~6.0GHz	dB			1.50 0.80
3	Reverse Isolation	dB	13.0	15.0	
4	VSWR	-	-	-	1.50:1(-14.0)
5	Forward Power CW	Watts			100
7	Operating Temperature	°C	-40		+70
8	Impedance	Ω		50	
9	RF Connectors	-	SMA 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	08/12/2025	Initial Release	