

## Coaxial Circulator 3.4~3.6GHz



### Features

- High power handling up to 1W
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature

### Typical Applications

- Aerospace and military applications
- Test and Measurement
- Wireless infrastructure

### Electrical Specifications, $T_A=25\text{ }^\circ\text{C}$

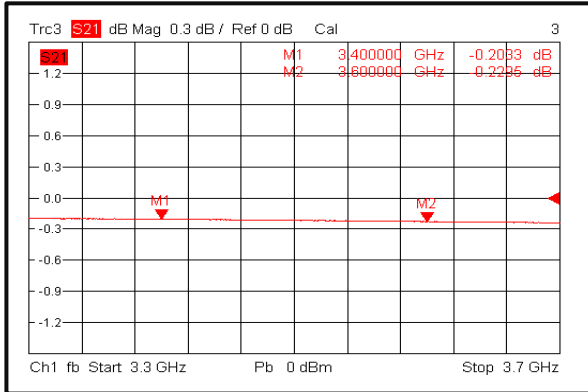
Parameter	Min.	Typ.	Max.	Units
Frequency Range	3.4-3.6			GHz
Insertion Loss			0.30	dB
Reverse Isolation	23			dB
VSWR			1.15	:1
Power Handling (CW)			10	W
Rotation	Counter Clockwise			
Input / Output Connectors	RFLC305G34G36S(SMA-Female) RFLC305G34G36N(N-Female)			
Finish	Nickel Plated			
Case Material	Aluminum Alloy			
Impedance	50			$\Omega$
Weight	2.4 Max.			ounces

**Environmental Specifications and Test Standards**

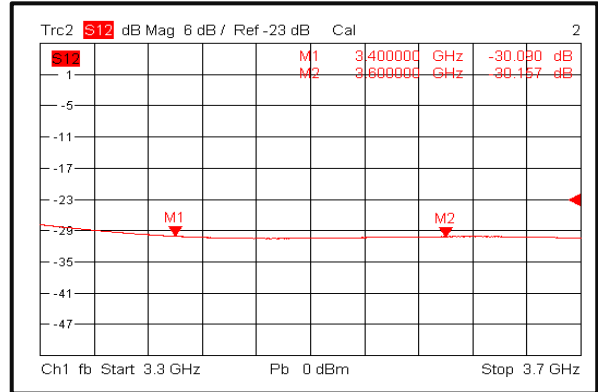
Parameter	Description
Operational Temperature	-20°C~+60°C (Case Temperature)
Storage Temperature	-40°C~+85°C
Thermal Shock	-20°C → +60°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +60°C for 72 Hours
Shock	1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883 (For Hermetically Sealed Units)

Typical Performance Plots

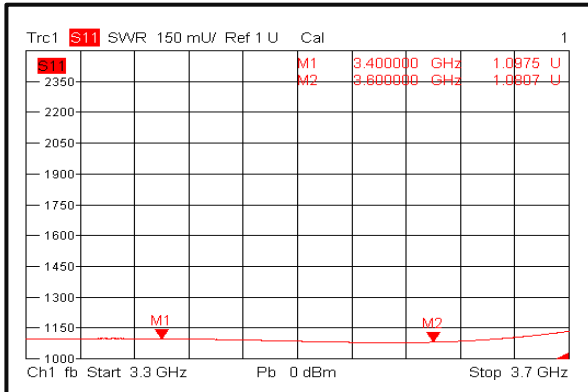
**Insertion Loss**



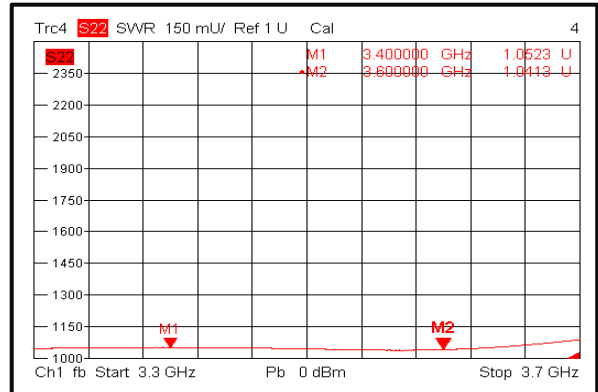
**Isolation**



**VSWR 1**



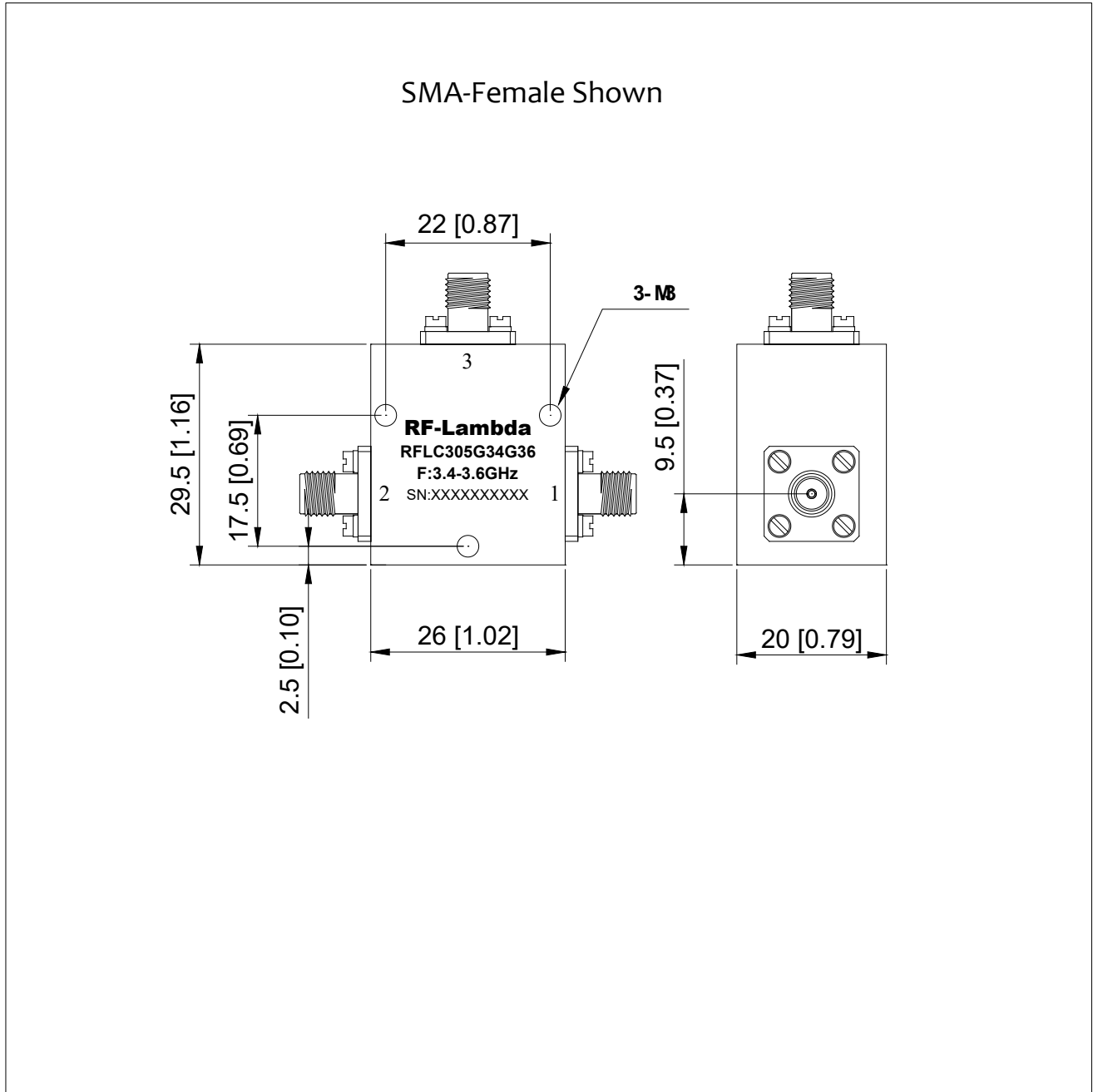
**VSWR2**



**Coaxial Circulator 3.4~3.6GHz**

**Outline Drawing:**

All Dimensions in mm [inches]



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