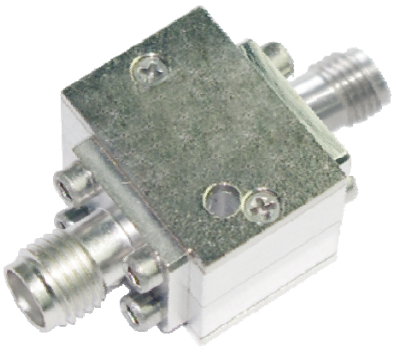
Ultra Wide Band Coaxial Isolator 8-18GHz



Features

- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient ferrite material offer stable performance over temperature
- Aerospace and military application
- High peak to average handle capability
- All specifications can be modified upon request

RoHS Compliant

Parameter	Min	Type	Max	Units
Frequency Range		8-18		GHz
Insertion Loss		0.90	1.0	dB
Isolation (Note 1)	15	16		dB
VSWR		1.45	1.50	:1
Forward Power (CW)			10	W
Reverse Power (CW)			1	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Input /Output Connector	SMA-Female			
Finishing	Nickel Plated			
Case Material	Aluminum alloy			
Operational Temp.	-20		+70	°C
Storage Temp.	-40		+85	°C
Altitude				ft.
Weight	20			g
Impedance	50			Ω
Vibration	10g 15 degree 2KHz			RMS
Humidity	100% RH at 35c, 95%RH at 40°C			
Shock	20G for 11msc.			

Note 1: Unit has narrow frequency bandwidth can achieve higher isolation & low insertion loss
Bandwidth (5 ~10) % x Center Frequency (Isolation >20dB)
Bandwidth (20~30) % x Center Frequency (Isolation >18dB)
Bandwidth (40~60) % x Center Frequency (Isolation >17dB)
Ask manufacture for detail

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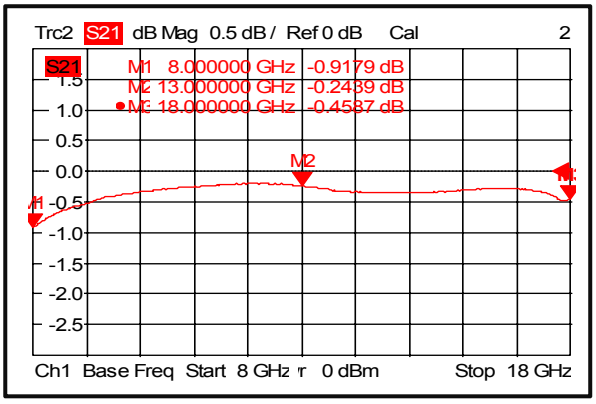
Environment specifications

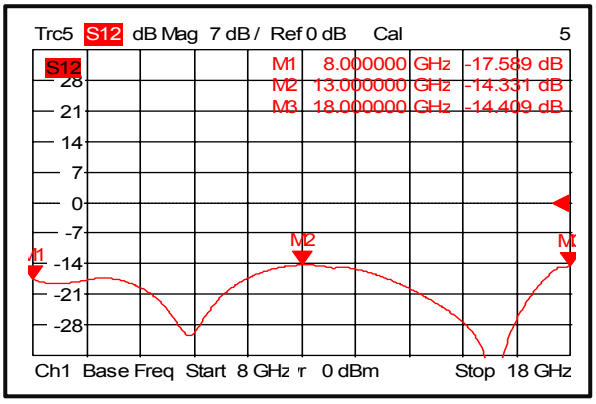
Operational Temperature (C°)	-20 to +70
Storage Temperature (C°)	-40 to +85
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions

performance plots

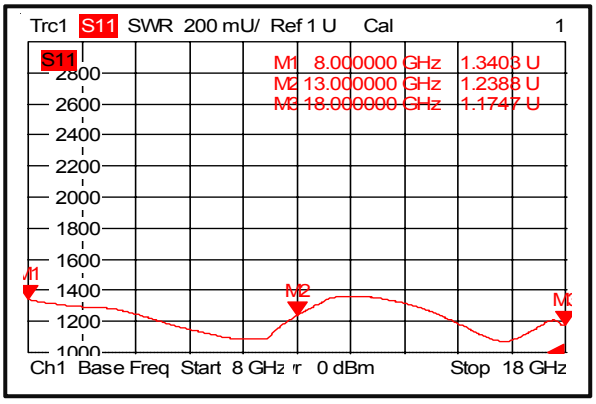
Insertion Loss



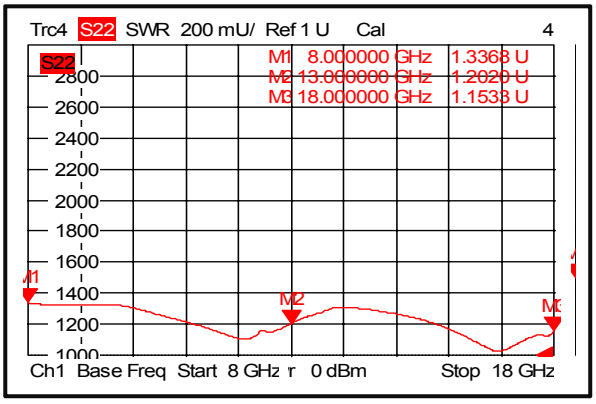
Isolation



VSWR 1



VSWR2



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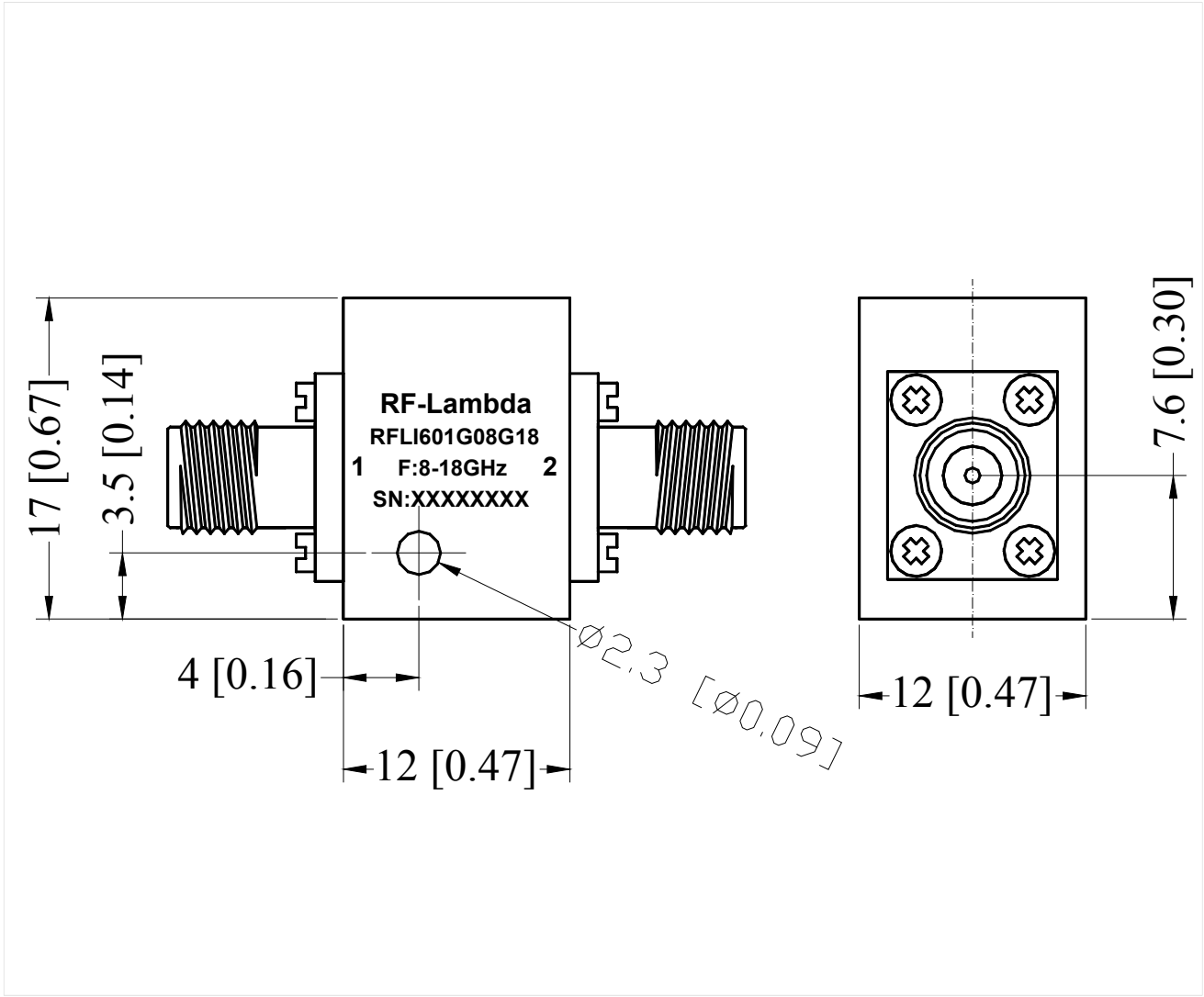
Outline Drawing:

All Dimensions in mm（inches）
Tolerance ±0.25（0.01）



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