



Ultra Wide Band Coaxial Isolator 22 - 33GHz



Features

- High power handling up to 10W
- Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- Aerospace and military applications
- LMDS multi-carrier operation
- High peak to average handling capability
- All specifications can be modified upon request



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

Parameter	Min	Typ	Max	Units
Frequency Range	22 - 33			GHz
Insertion Loss		1.60		dB
Isolation (Note 1)		15		dB
VSWR		1.60		:1
Forward Power (CW)			10	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Input / Output Connectors	2.92mm-Female			
Finishing	Nickel Plated			
Case Material	Copper			
Weight		1.06		Ounces
Impedance		50		Ω
Note 1: Units which have a narrower frequency bandwidth can achieve higher isolation & lower insertion loss Bandwidth (5 ~10) % x Center Frequency (Isolation >23dB) Bandwidth (20~30) % x Center Frequency (Isolation >21dB) Bandwidth (40~60) % x Center Frequency (Isolation >20dB) Ask manufacturer for details				

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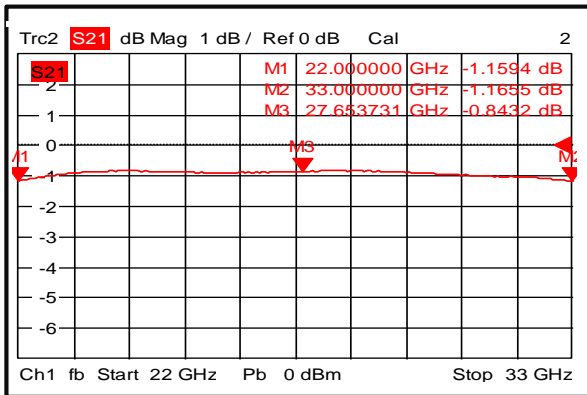


Environmental Specifications

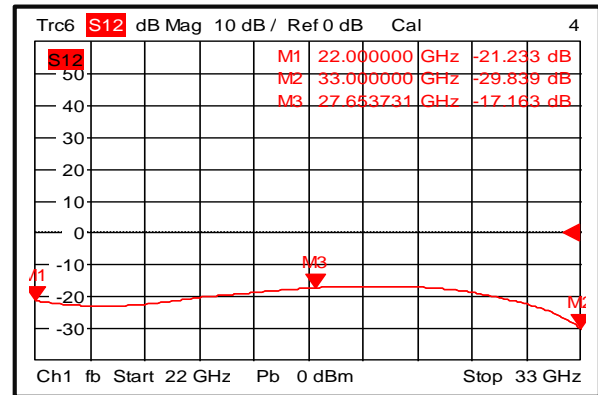
Operational Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. .1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

Typical Performance Plots

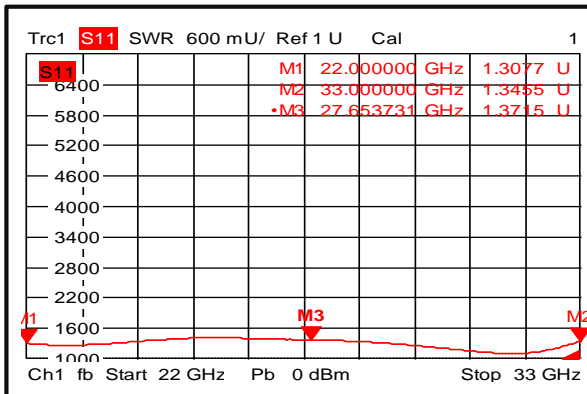
Insertion Loss



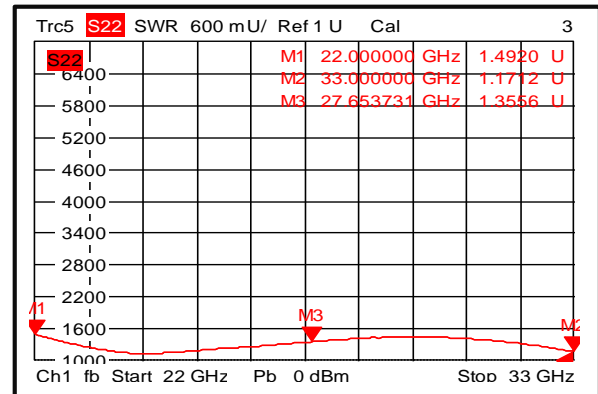
Isolation



VSWR 1



VSWR2



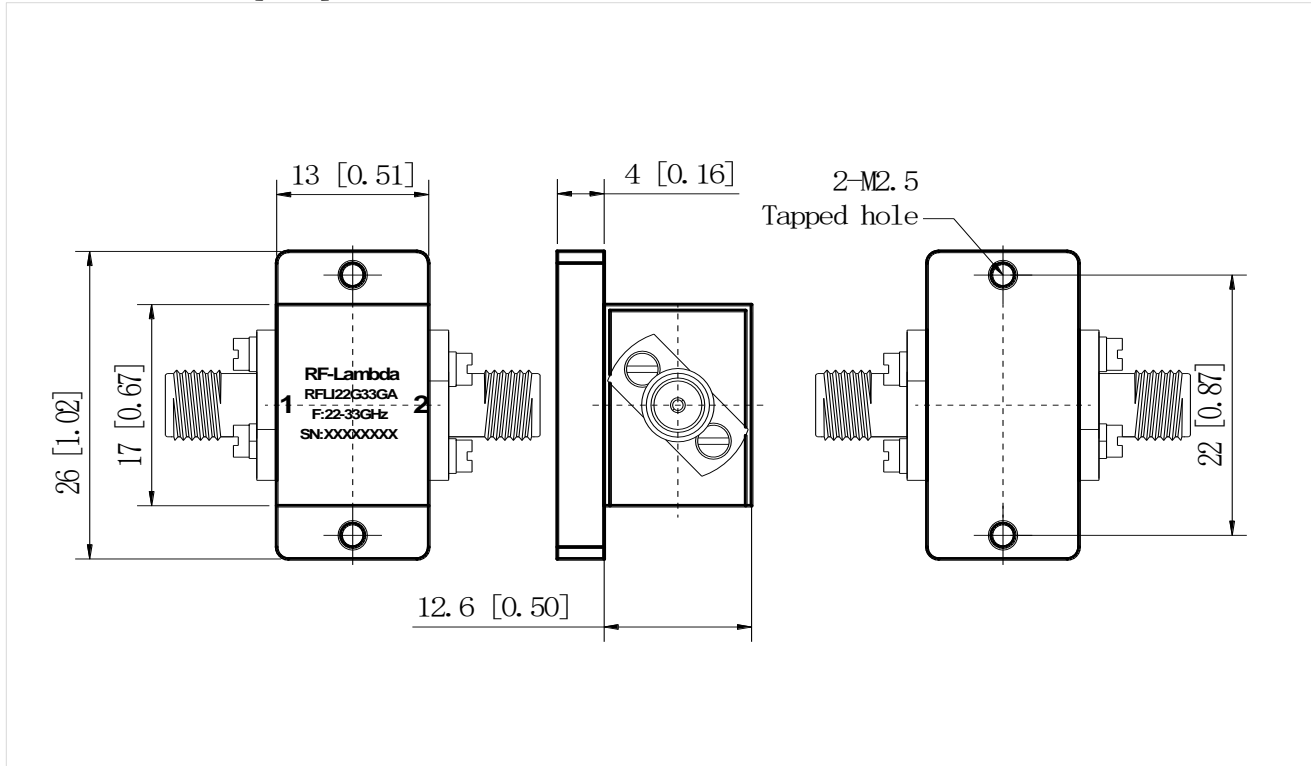
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Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.25 [0.01]



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