



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFLI101M20M40

Wideband Coaxial Isolator 200 - 400MHz

Features

- High power handling up to 50W
- 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	200-400			MHz
Insertion Loss		1.30	1.50	dB
Isolation (Note 1)	13	15		dB
VSWR		1.45	1.6	:1
Forward Power (CW)			50	W
Reverse Power(CW)			10	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Connectors	N or SMA			
Finishing	Nickel Plated			
Case Material	Aluminum alloy			
Weight				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 >15dB) Bandwidth (20~30) % x Center Frequency (Isolation >14dB) Bandwidth (40~60) % x Center Frequency (Isolation >13dB) Ask manufacturer for details				

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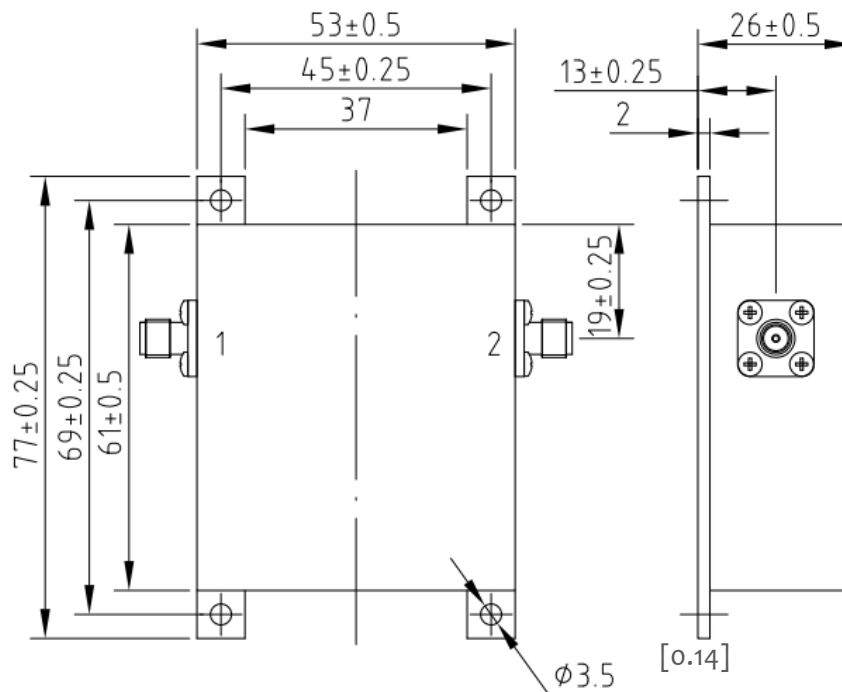
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Environmental Specifications

Operational Temperature (°C)	-40 ~ +70
Storage Temperature (°C)	-40 ~ +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 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

Outline Drawing:

All Dimensions in mm [inches]



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