

**Features**

- High Isolation
- Low Insertion Loss
- Excellent Temperature Stability
- Miniaturization
- Customization available upon request



Parameters	RX			TX			Units
	Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range	2.2		2.3	2.025		2.12	GHz
VSWR		1.35	1.5		1.35	1.5	: 1
Insertion Loss		0.5	0.6		0.5	0.6	dB
Pass Band Ripple			0.4			0.4	dB
The group delay of this band pass filter is the same as the diplexer, both are $\pm 8$							ns
Rejection	>70dB@TX			>80dB@RX			
Power Handling	200						Watts
Impedance	50						Ohms
Weight	20 Max.						ounces
Input / Output Connectors	N-Female						
Material	Aluminum						
Finish	Gray Paint						

**Environmental Specifications**

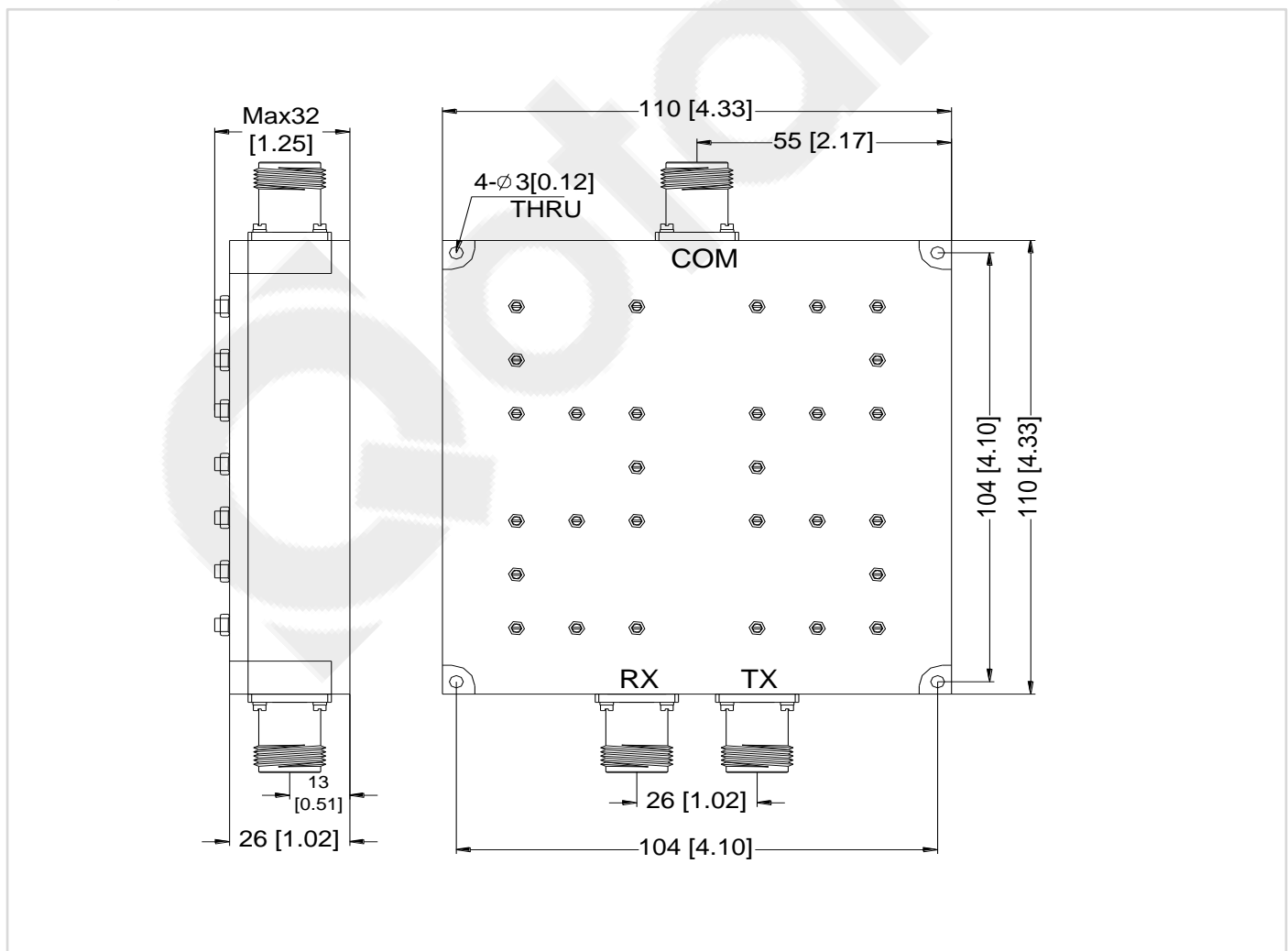
Operational Temperature	-25°C~+70°C
Storage Temperature	-40°C~+85°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions

**Outline Drawing:**

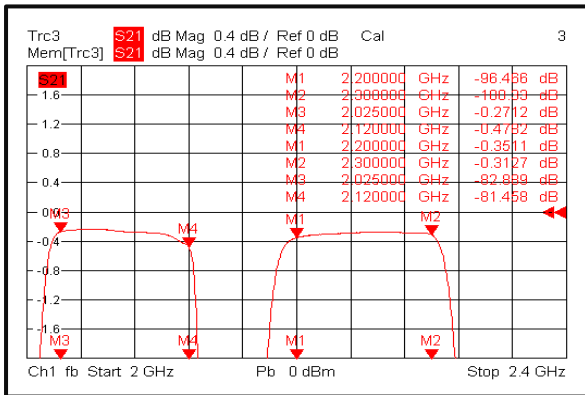
All Dimensions in mm (inches)

Outline Tolerances ±0.5(0.02)

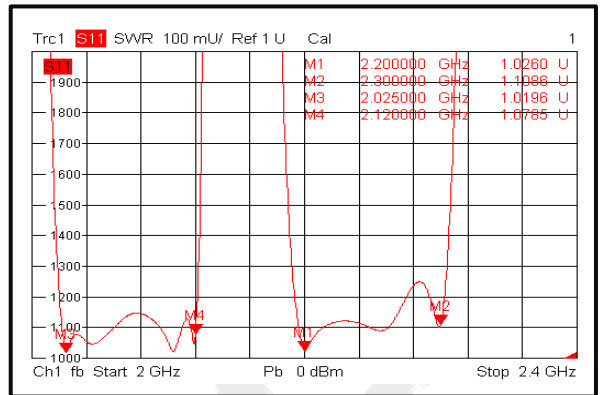
Mounting Holes Tolerances ±0.2(0.008)



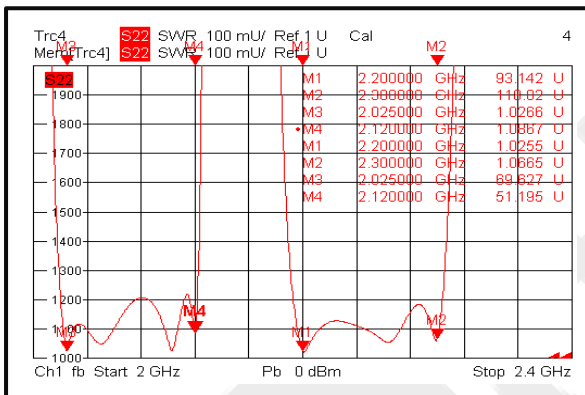
Insertion Loss



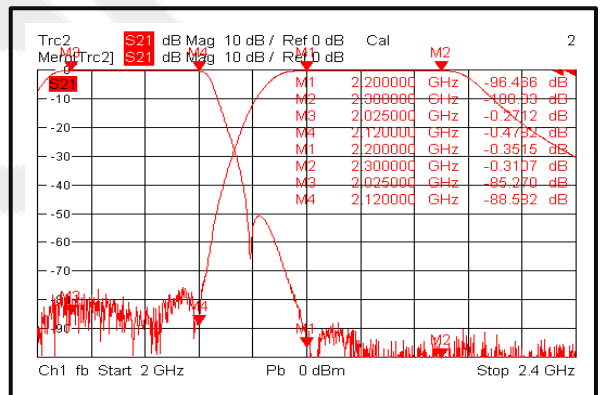
VSWR



VSWR



Rejection & Isolation



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