

**Features**

- High power handle capability up to 80W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient ferrite material offer stable performance over temperature
- High peak to average handle capability
- All specifications can be modified upon request



Parameter		Min	Typ.	Max	Units
Frequency Range			4-8		GHz
Insertion Loss	@4-4.3GHz		0.5	1.5	dB
	@4.3-8GHz		0.4	0.5	
Isolation (Note 1)		18	18.5		dB
VSWR			1.25	1.30	:1
Forward Power				80	W
Rotation		Clockwise			
Input /Output Connectors		N-Female			
Finish		Nickel Plated			
Case Material		Aluminum Alloy			
Weight			2.4 Max.		ounces
Impedance			50		$\Omega$

**Note1 :**

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 manufacture for detail

**Environmental Specifications**

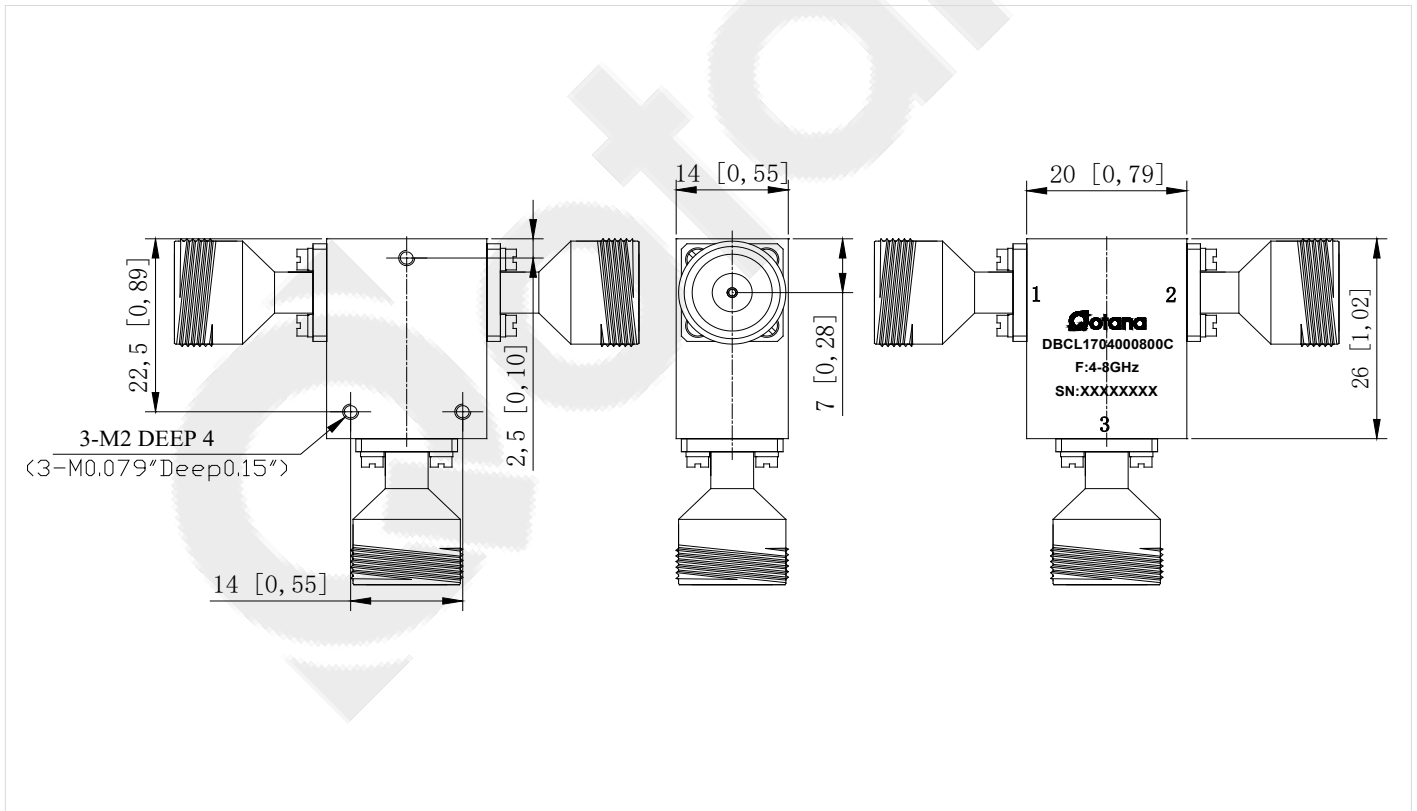
Operational Temperature	-20°C~+70°C
Storage Temperature	-40°C~+85°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH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

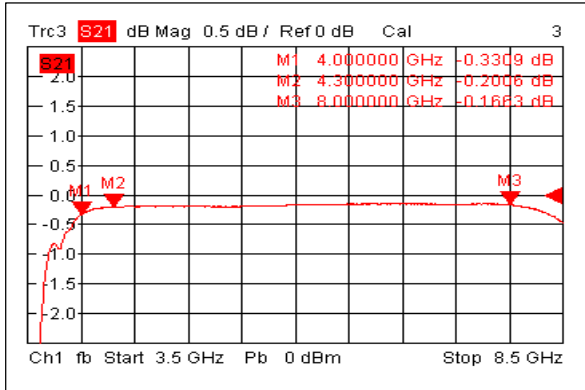
Mounting Holes Tolerances ±0.2(0.008)



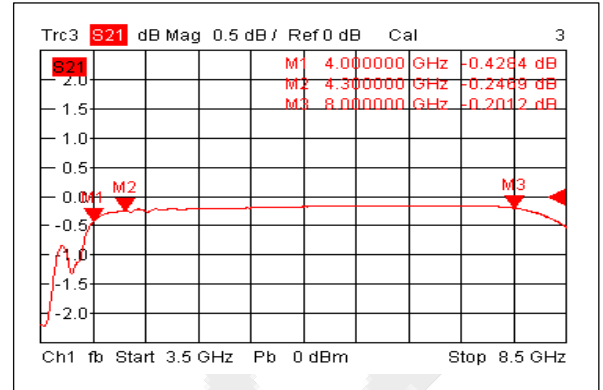
**Note:**

Due to the isolators and circulators belong to magnetic components, please far away from the magnetic matters by over 2 inches when you install or place.

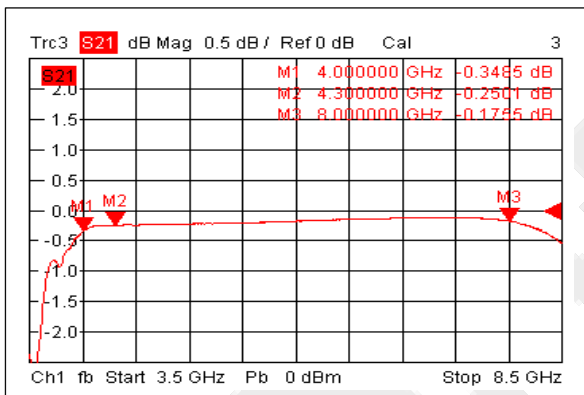
Insertion Loss (Port 1-Port 2)



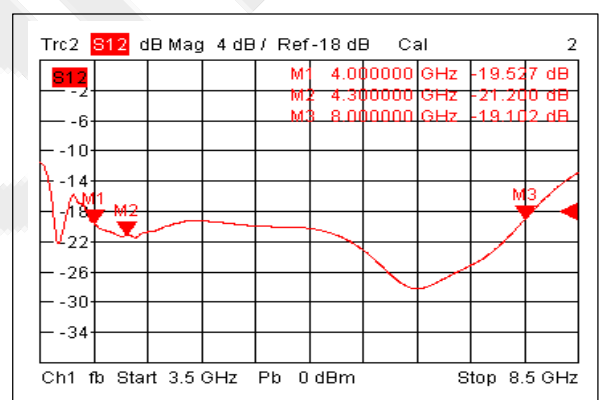
Insertion Loss (Port 2-Port 3)



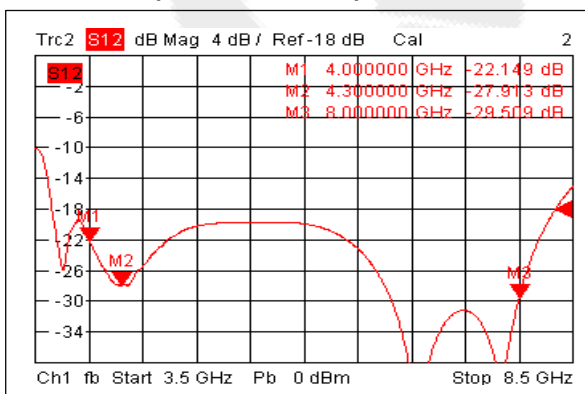
Insertion Loss (Port 3-Port 1)



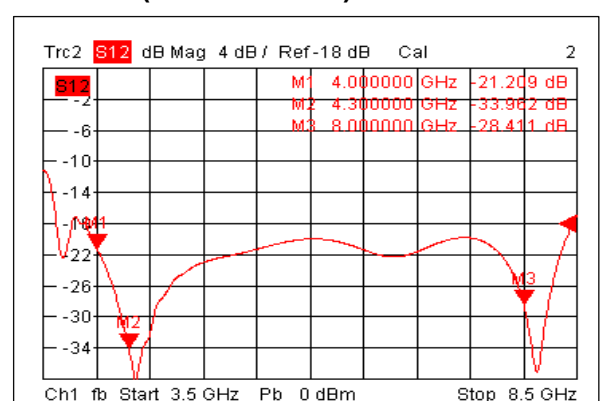
Isolation (Port 2-Port 1)



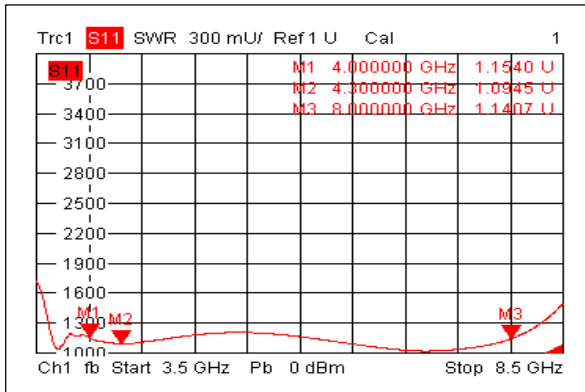
Isolation (Port 3-Port 2)



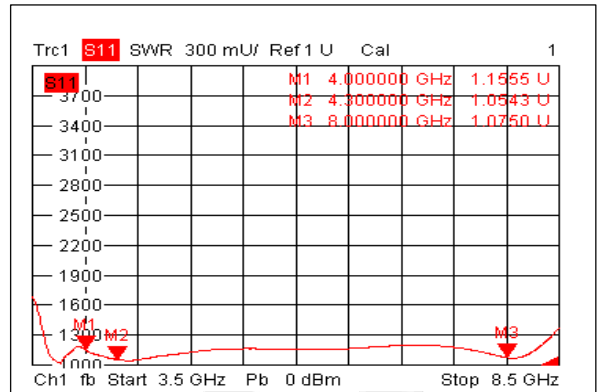
Isolation (Port 1-Port 3)



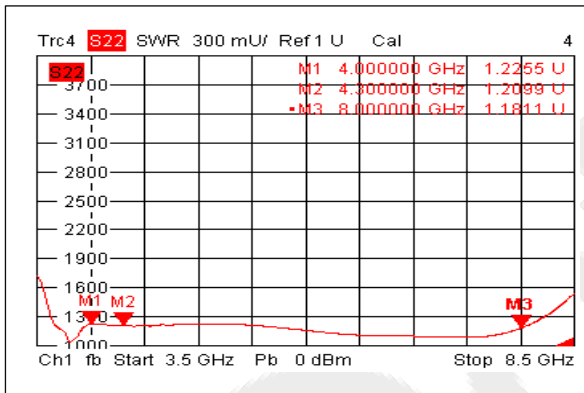
**VSWR 1**



**VSWR 2**



**VSWR3**



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