

**Features**

- High power handling up to 50W
- Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- LMDS multi-carrier operation
- High peak to average handling capability
- All specifications can be modified upon request



Parameter		Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range		1.5		8	8		26.5	GHz
Nominal Coupling			3			3		dB
Insertion Loss			0.5	1.0		2.0	2.5	dB
Isolation		18	22		15	18		dB
VSWR			1.3	1.4		1.5	1.8	: 1
Amplitude Imbalance			±0.7	±1.0		±0.7	±1.2	dB
Phase Imbalance			±3	±5		±8	±12	deg
Power Rating	Forward Power	50						W
	Peak Power	500						W
Impedance		50						Ohms
Weight		1.76						Ounces
Input / Output Connectors		2.92mm-Female						
Material		Aluminum						
Finish		Gray paint						

**Environmental Specifications**

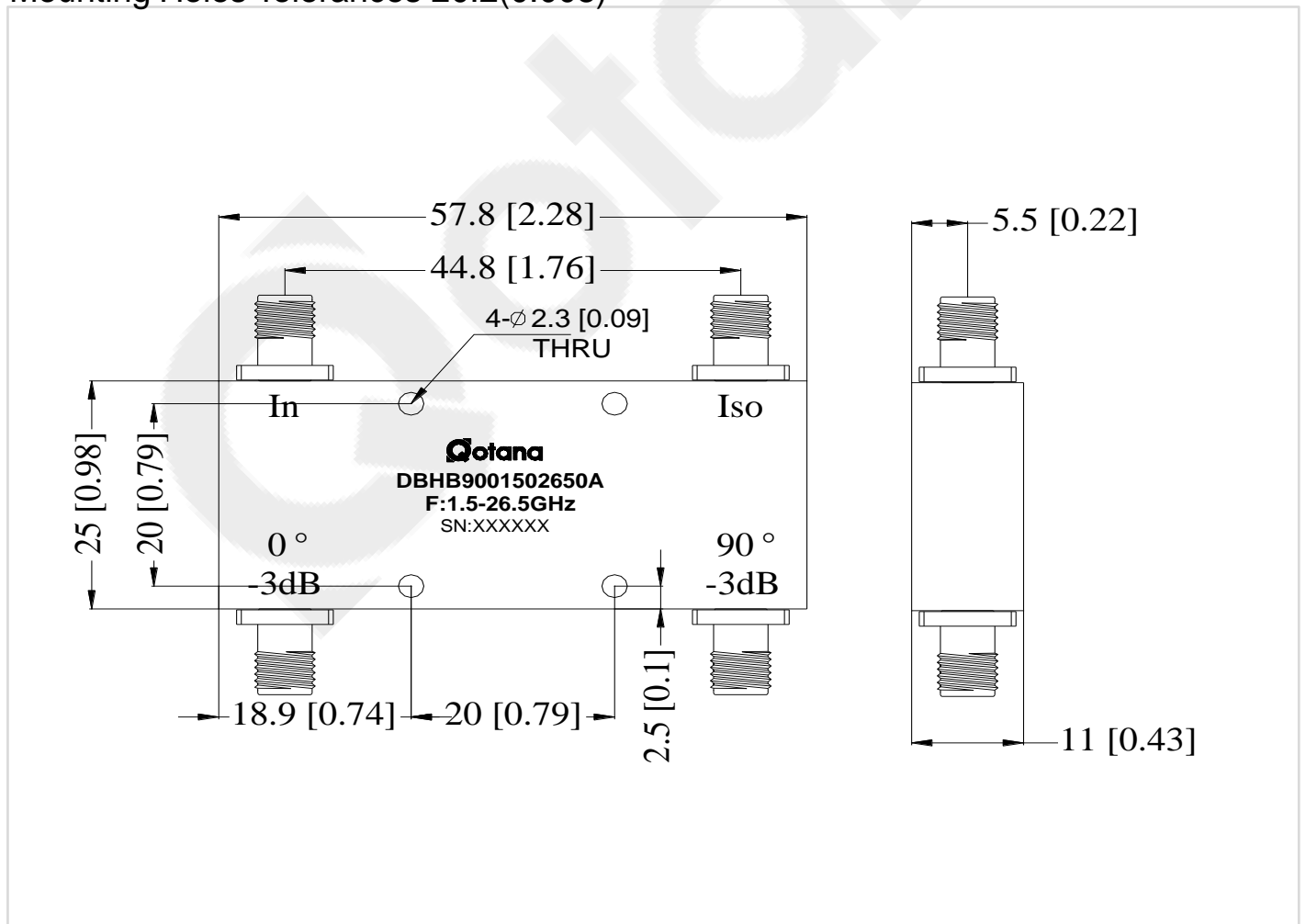
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

**Outline Drawing:**

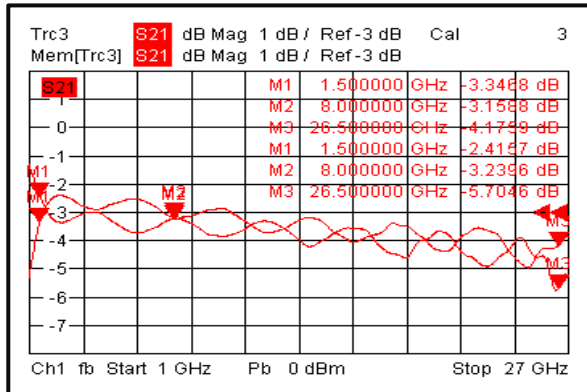
All Dimensions in mm (inches)

Outline Tolerances ±0.5 (0.02)

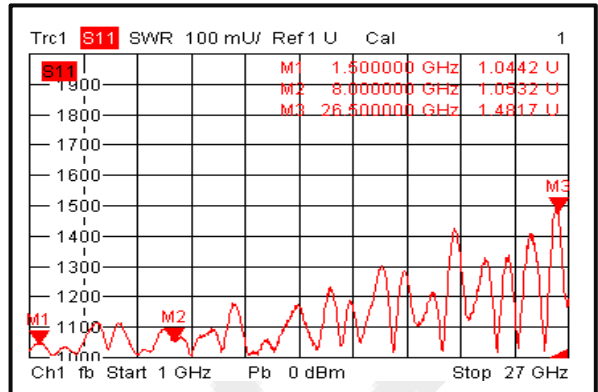
Mounting Holes Tolerances ±0.2(0.008)



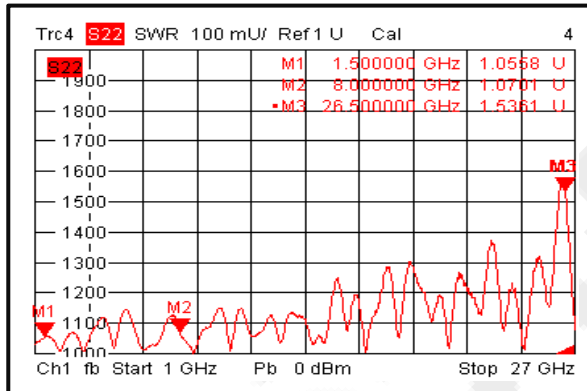
### Loss & Amplitude Imbalance



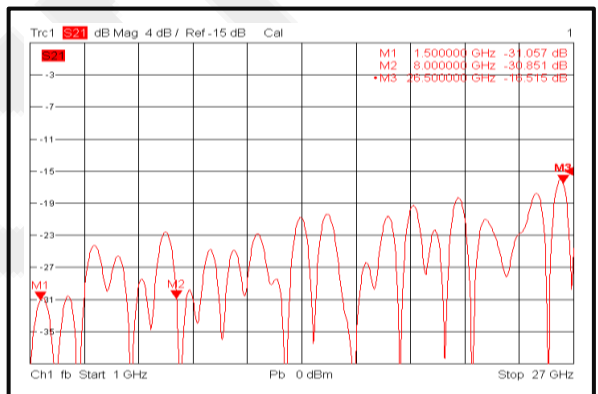
### Input VSWR



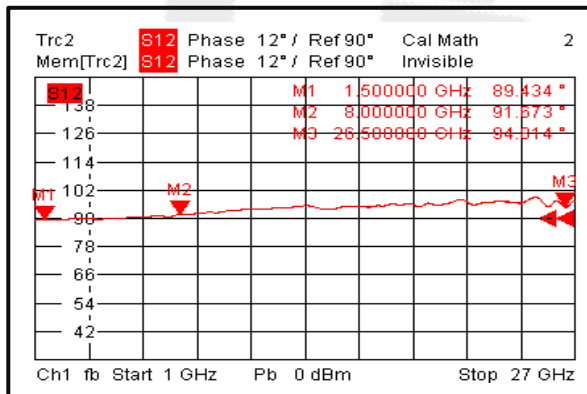
### Output VSWR



### Isolation



### Phase Imbalance



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