

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



Parameters		Min.	Typ.	Max.	Units
Frequency Range		0.5		1	GHz
Nominal Coupling			3		dB
Insertion Loss			0.2	0.3	dB
Isolation		22	25		dB
Amplitude Imbalance			±0.3	±0.5	dB
Phase Imbalance			±1.5	±2	deg
VSWR			1.1	1.2	: 1
Power Rating	Average	50			W
	Peak	500 (10% Duty Cycle, 1 us Pulse Width)			W
Impedance		50			Ohms
Weight		1.6 Max.			Ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finish		Gray paint			

Environmental Specifications

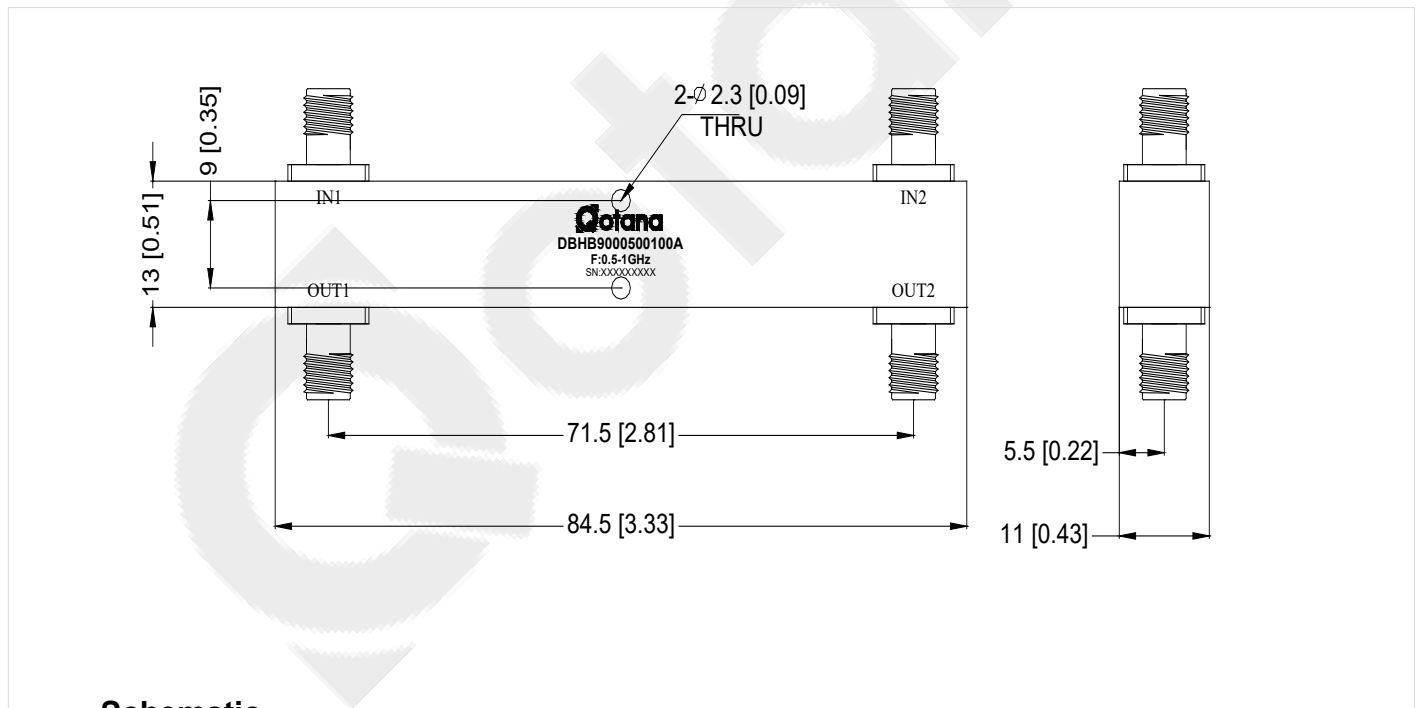
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH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

Outline Drawing:

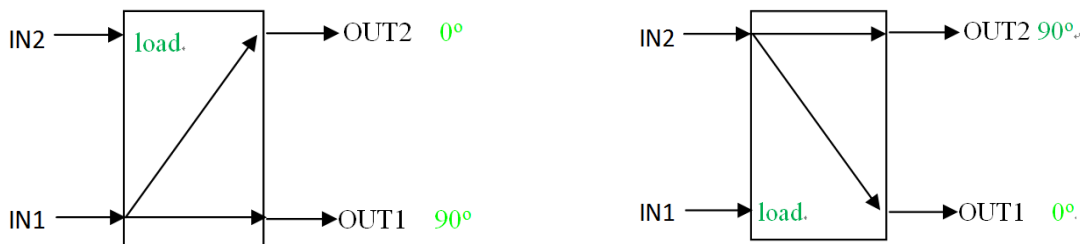
All Dimensions in mm (inches)

Outline Tolerances ±0.5(0.02)

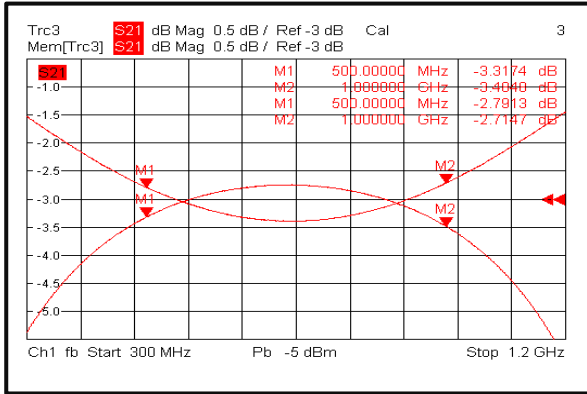
Mounting Holes Tolerances ±0.2(0.008)



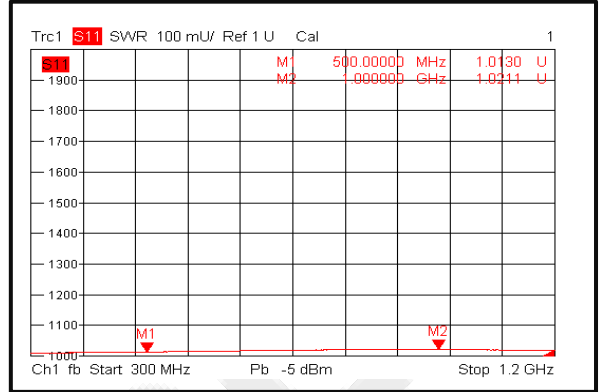
Schematic:



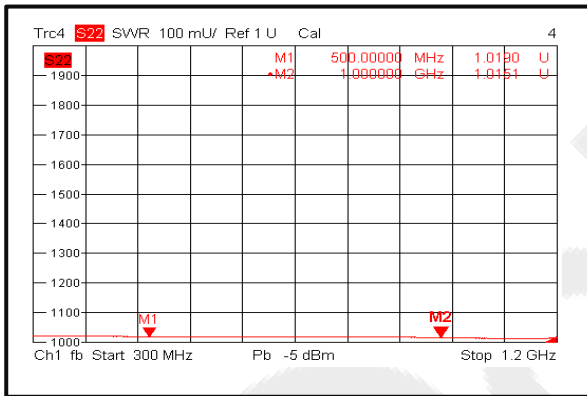
Loss & Amplitude Imbalance



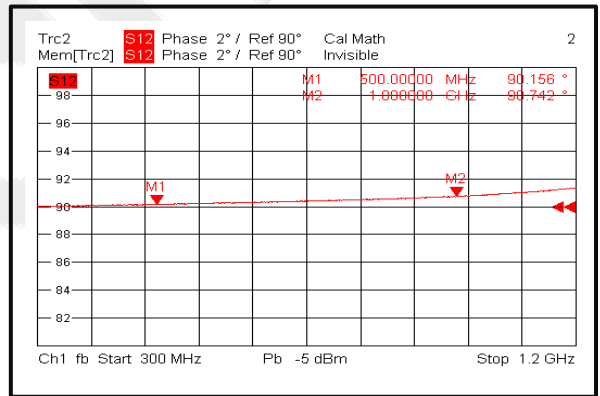
Input VSWR



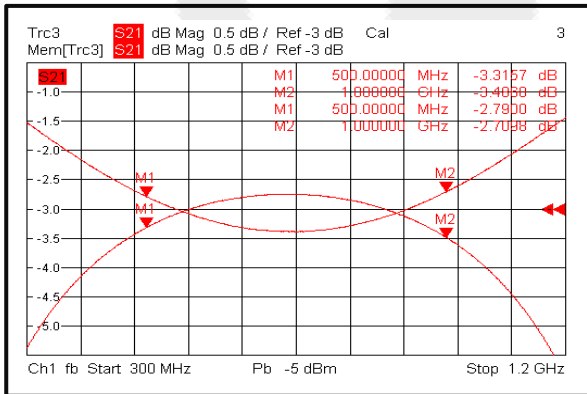
Output VSWR



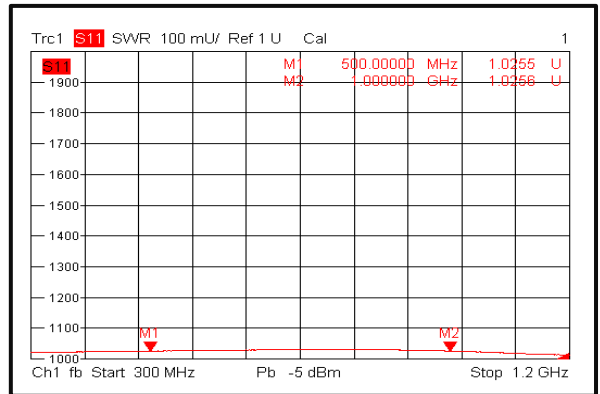
Phase Imbalance



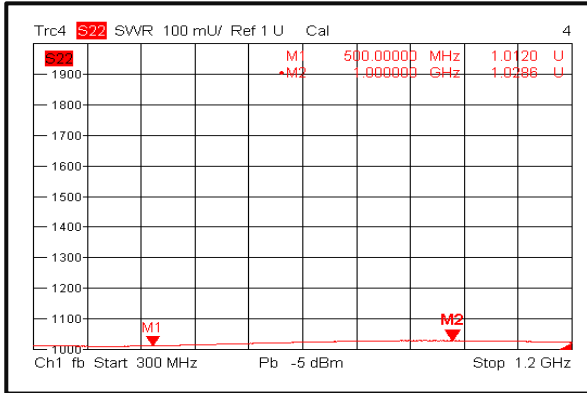
Loss & Amplitude Imbalance



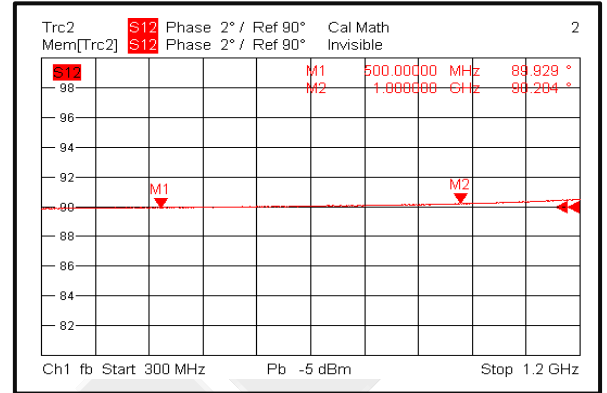
Input VSWR



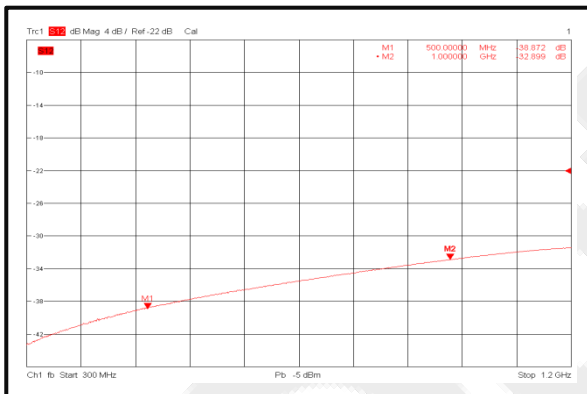
Output VSWR



Phase Imbalance



Isolation



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