

Features

- High power handling up to 20W
- 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



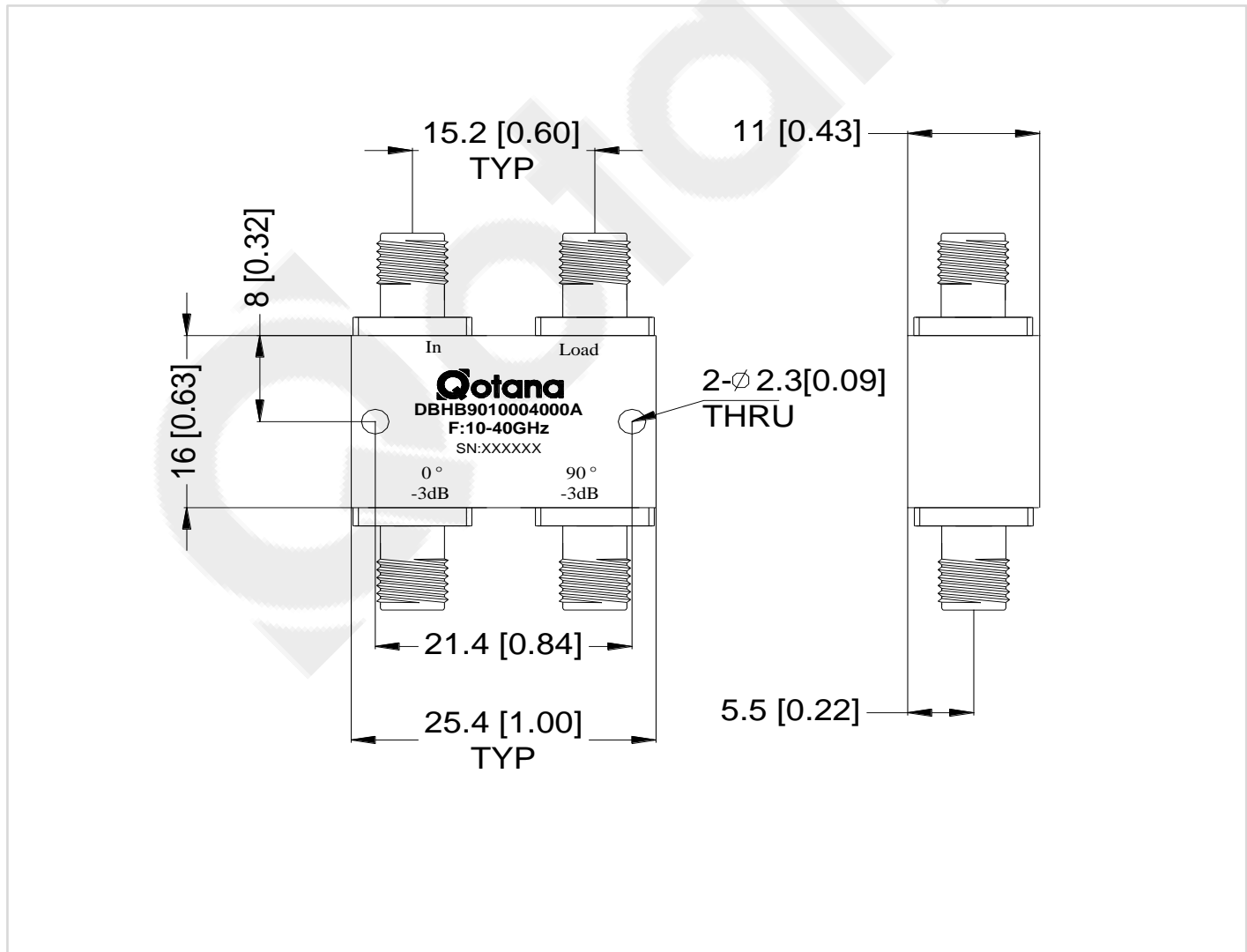
Parameters		Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range		10		26.5	26.5		40	GHz
Nominal Coupling			3			3		dB
Insertion Loss			0.9	1.2		1.5	2.0	dB
Isolation		15	17		12	15		dB
Amplitude Imbalance			±0.4	±0.6		±0.5	±0.7	dB
Phase Imbalance			±5	±7		±6	±10	deg
VSWR			1.5	1.7		1.6	1.8	: 1
Power Rating	Average	20						W
	Peak	300						W
Impedance		50						Ohms
Weight		0.71						Ounces
Input / Output Connectors		2.92-Female						
Material		Aluminum						
Finishing		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:

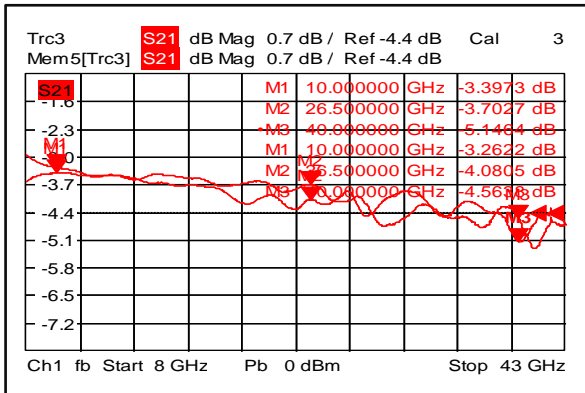
All Dimensions in mm (inches) Tolerance ±0.25(0.01)



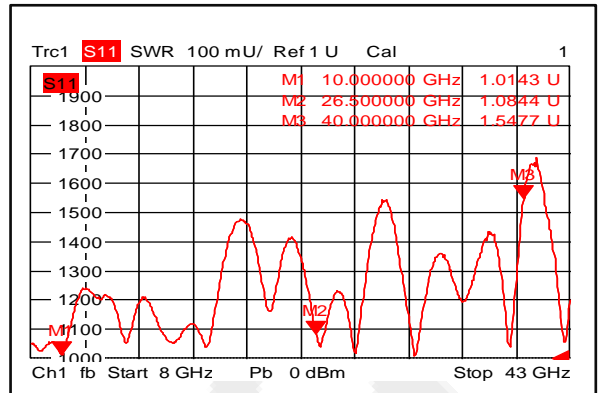
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Coaxial 20 W 10-40GHz 90° Hybrid Coupler

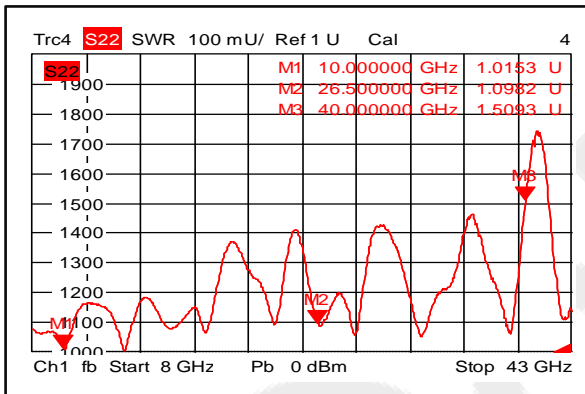
Loss & Amplitude Imbalance



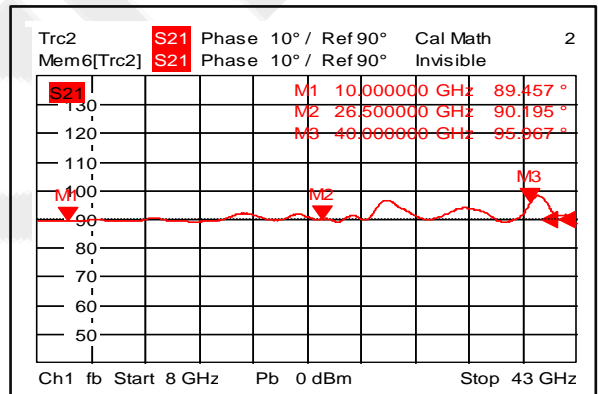
Input VSWR



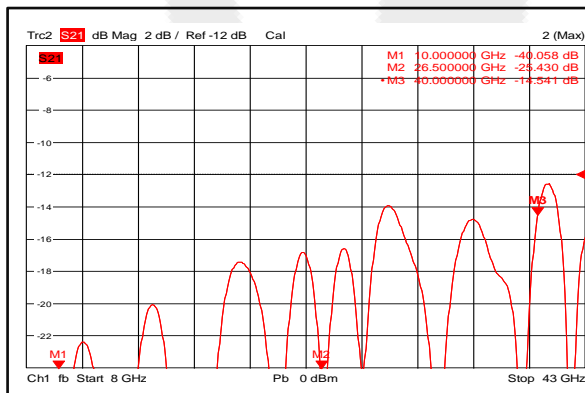
Output VSWR



Phase Imbalance



Isolation



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