

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



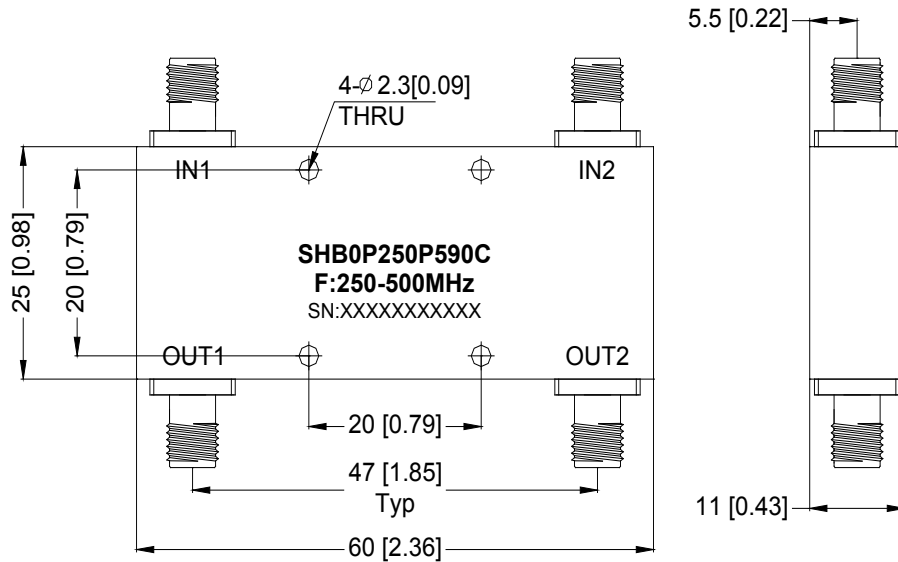
Parameters		Min.	Typ.	Max.	Units
Frequency Range		250		500	MHz
Nominal Coupling			3		dB
Insertion Loss			0.2	0.3	dB
Isolation		22	25		dB
Amplitude Imbalance			±0.35	±0.5	dB
Phase Imbalance			±1	±2	deg
VSWR			1.1	1.2	: 1
Power Rating	Average	50			W
	Peak	500 (10% Duty Cycle, 1 us Pulse Width)			W
Impedance		50			Ohms
Weight		1.95 Max.			ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finish		Chromate Finish Aluminum(MiL-DTL-5541 Type II, Class 3)			

Environmental Specifications

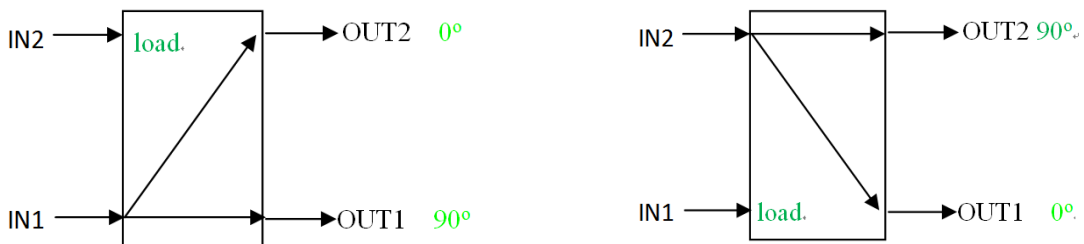
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH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

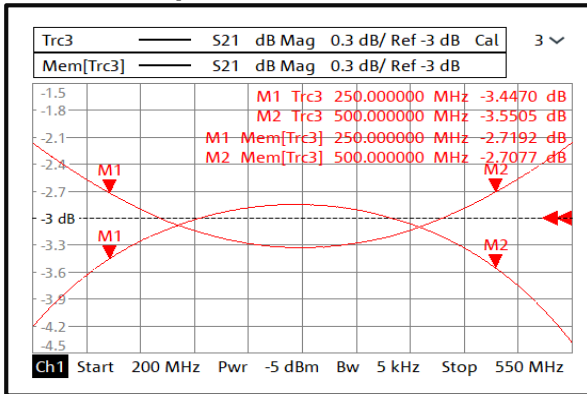
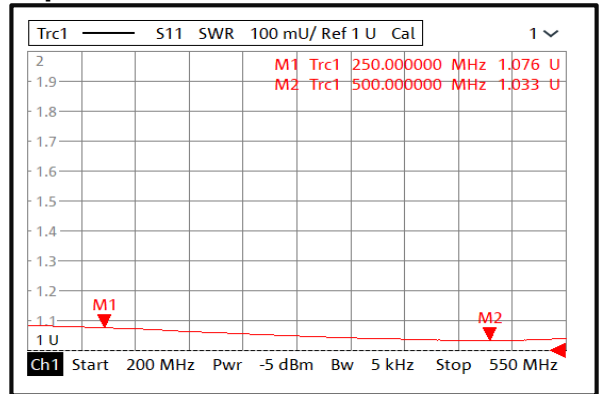
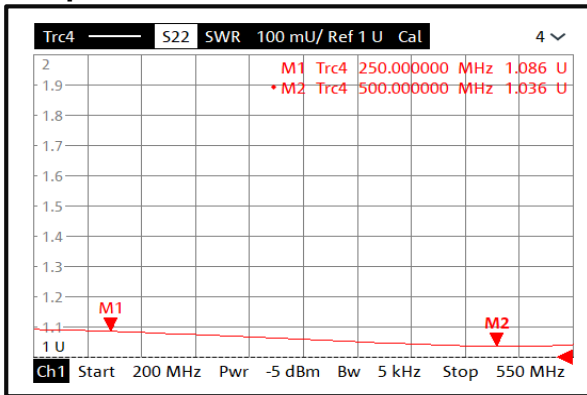
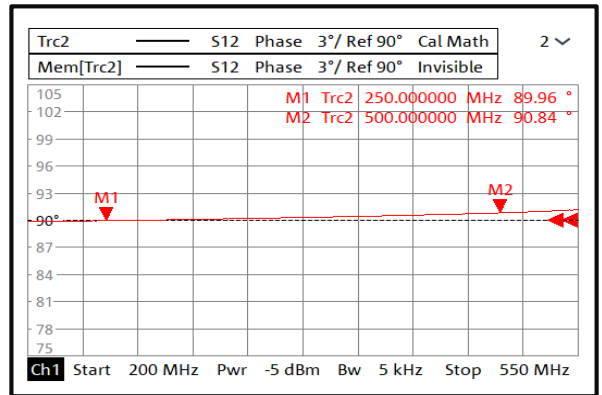
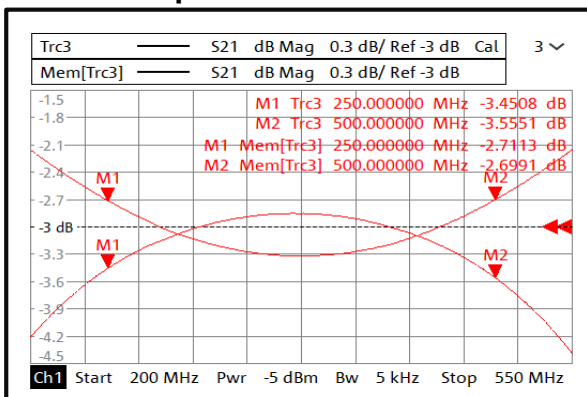
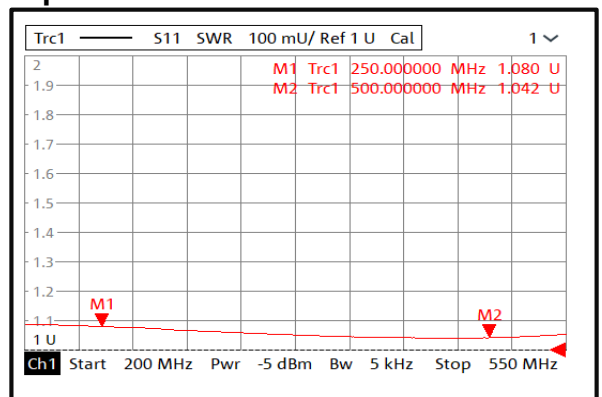
Outline Drawing:

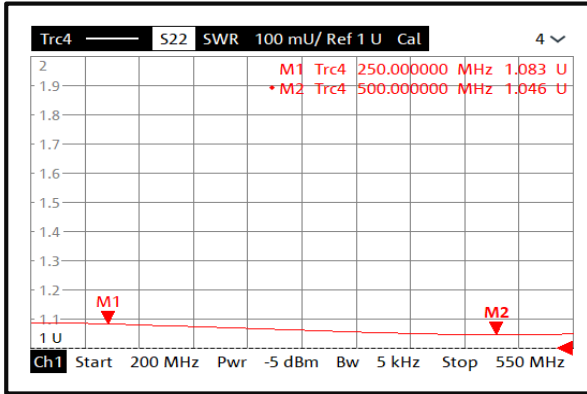
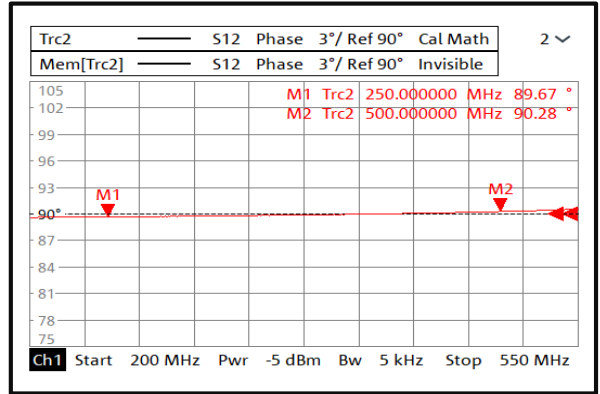
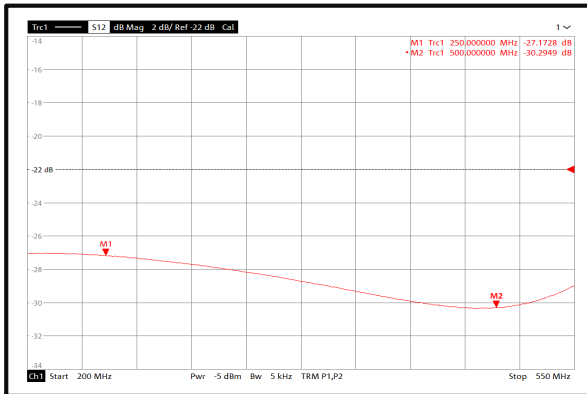
All Dimensions in mm (inches)
 Outline Tolerances ±0.5 (0.02)
 Mounting Holes Tolerances ±0.2 (0.008)



Schematic:



Loss & Amplitude Imbalance

Input VSWR

Output VSWR

Phase Imbalance

Loss & Amplitude Imbalance

Input VSWR


Output VSWR

Phase Imbalance

Isolation


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