



Coaxial 20W 0° 2-Way Power Divider 1 - 40GHz



Features

- High power handling up to 20W
- Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- Aerospace and military applications
- LMDS multi-carrier operation
- High peak to average handling capability
- All specifications can be modified upon request

Electrical Specifications, $T_A=25^\circ\text{C}$

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	1		12.4	12.4		26.5	26.5		40	GHz
Nominal Splitter Loss		3			3			3		dB
Insertion Loss		0.8	1.2		1.3	1.8		1.8	2.2	dB
Isolation	15	19		15	18		15	18		dB
Input VSWR		1.5	2.0		1.6	1.8		1.5	1.8	: 1
Output VSWR		1.4	1.7		1.4	1.7		1.4	1.7	: 1
Amplitude Imbalance		0.2	0.3		0.4	0.5		0.4	0.5	dB
Phase Imbalance		4	5		5	6		6	8	deg
Power Rating	Forward Power	20								W
	Reverse Power	0.5								W
	Peak Power	200								W
Impedance	50								Ohms	
Weight	2.12								ounces	
Input / Output Connectors	2.92mm-Female									
Material	Aluminum									
Finishing	Blue Paint									

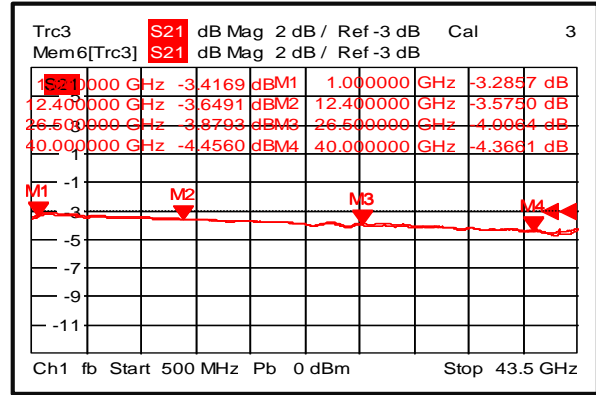


Environmental Specifications

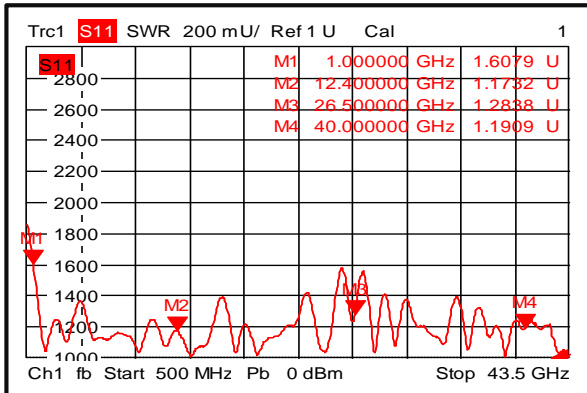
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 f. 1.0psi min (Hermetically Sealed Uncontrolled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

Typical Performance Plots

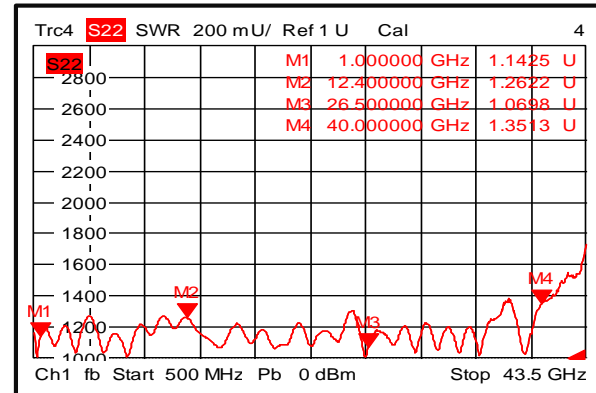
Loss & Amplitude Imbalance



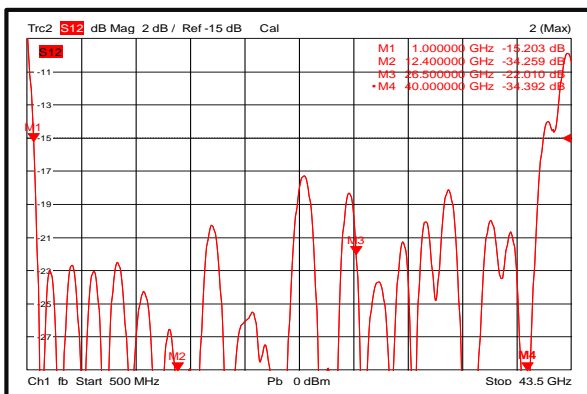
Input VSWR



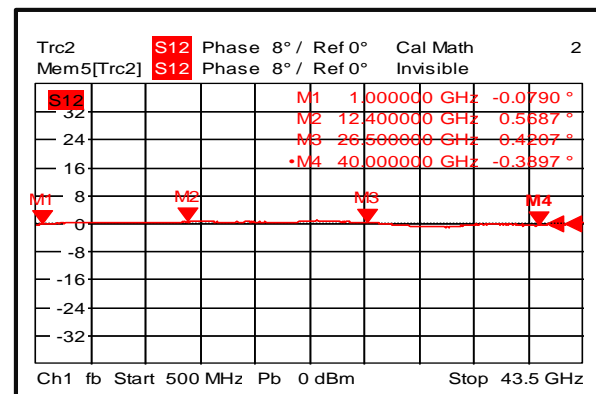
Output VSWR



Isolation



Phase Imbalance



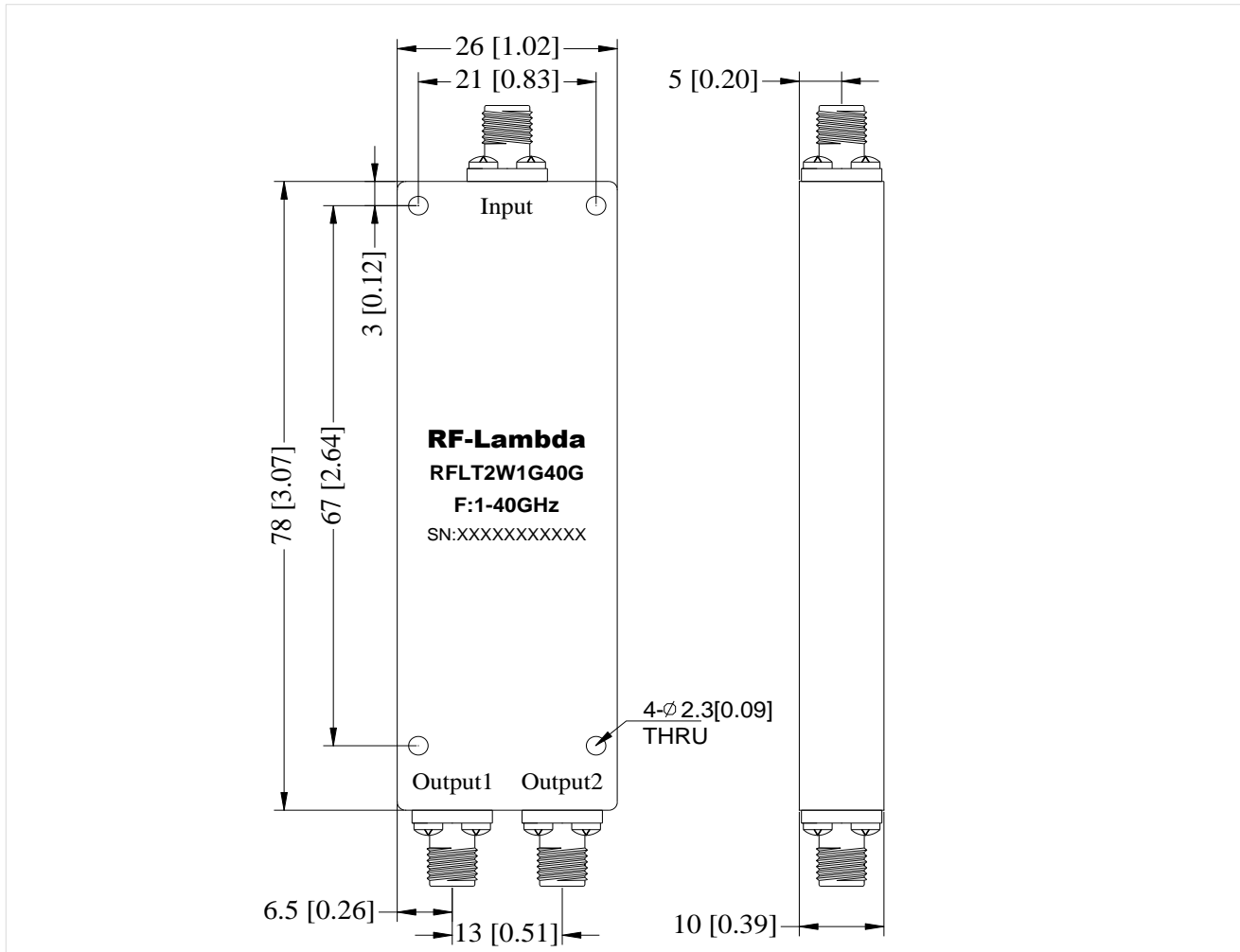
COAXIAL 20W 0° 2-WAY POWER DIVIDER 1 - 40GHz



Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.2 [0.008]



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