



1 W DC-40GHz 0° 2-Way Power Divider



Features

- High power handling capability up to 1W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Stable over temperature performance
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handling capability
- All specifications can be modified upon request

Electrical Specifications

Parameters		Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range		DC		26.5	26.5		40	GHz
Insertion Loss			7.2	7.5		7.2	7.5	dB
Isolation			12			13		dB
Input VSWR			1.3	1.5		1.3	1.5	: 1
Output VSWR			2.0	2.5		1.8	2.5	: 1
Amplitude Unbalance			0.2	0.3		0.3	0.4	dB
Phase Unbalance			3	4		4	5	deg
Power Rating	Forward Power	1						W
	Peak Power	10						W
Impedance		50						Ohms
Weight		0.71						Ounces
Operating Temperature		-45 to +85						°C
Input / Output Connector		2.92mm-Female						
Material		Aluminum						
Finishing		Gold Plating						

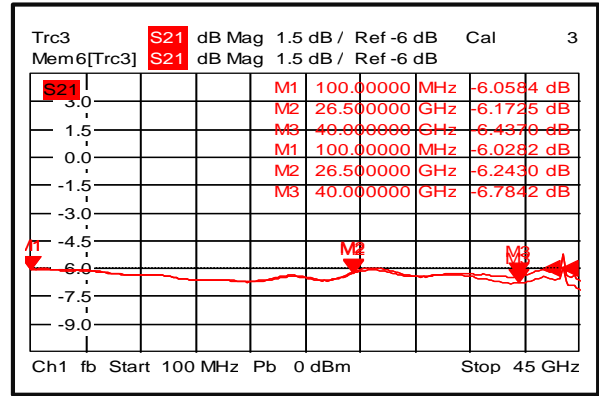


Environmental Specifications

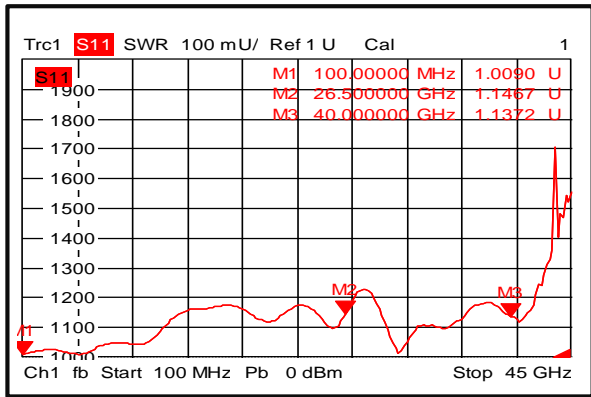
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions

Typical Performance Plots

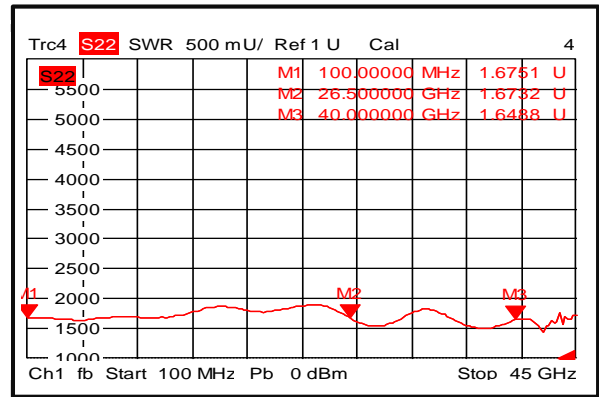
Loss & Amplitude Imbalance



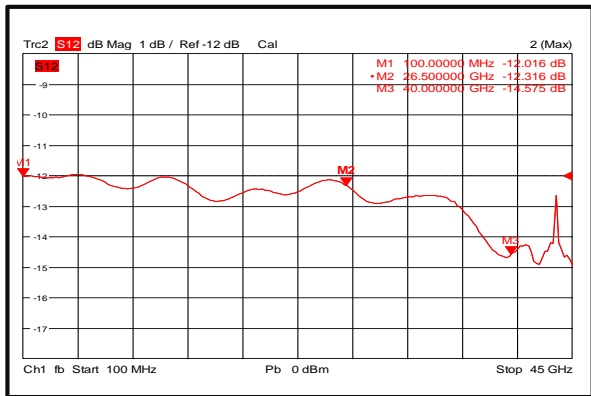
Input VSWR



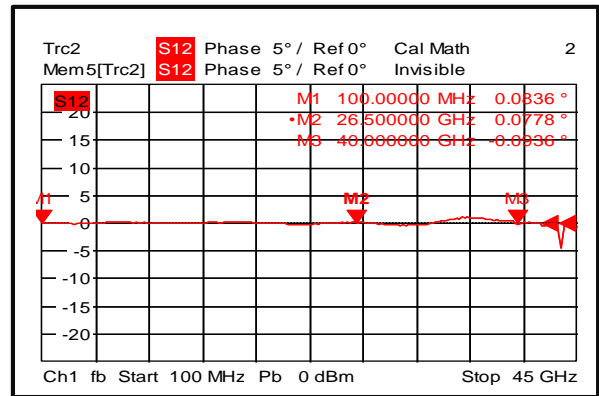
Output VSWR



Isolation



Phase Imbalance

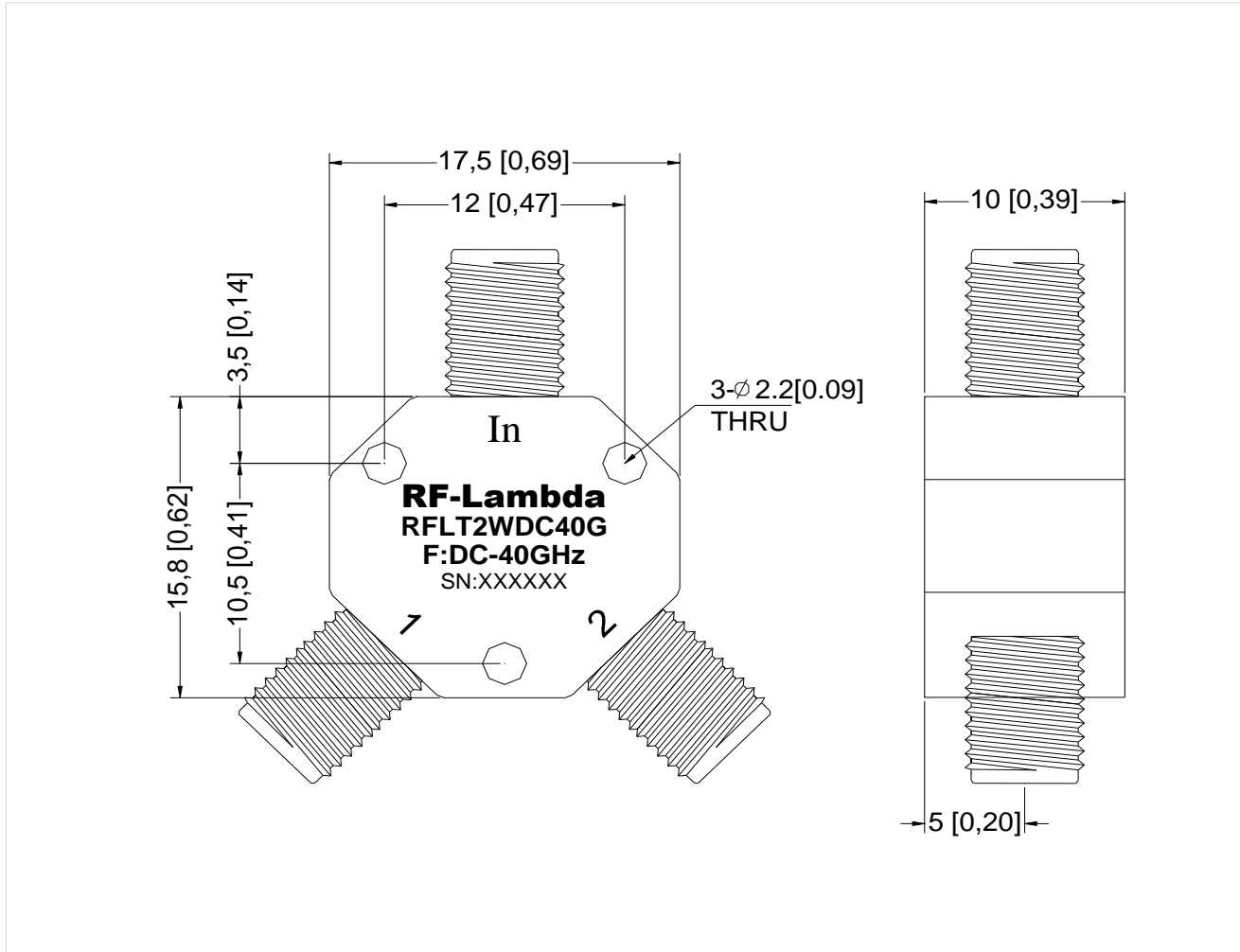




Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.15 [0.006]



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

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