



### Coaxial 10W 0° 12-Way Power Divider 10-200MHZ



#### Features

- High power handling up to 10W
- Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- High peak to average handling capability

#### Typical Applications

- Aerospace and military applications
- LMDS multi-carrier operation

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

Parameters		Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range		10		30	30		200	MHz
Nominal Splitter Loss			10.8			10.8		dB
Insertion Loss			1.0	1.5		1.8	2.2	dB
Isolation		20	25		20	22		dB
Input VSWR			1.3	1.5		1.3	1.5	:1
Output VSWR			1.3	1.5		1.3	1.5	:1
Amplitude Imbalance			0.2	0.4		0.35	0.5	dB
Phase Imbalance			3	6		5	10	deg
Power Rating	Forward Power	10						W
	Reverse Power	0.5						W
	Peak Power	100						W
Impedance		50						Ohms
Weight		20.46						ounces
Input / Output Connectors		SMA-Female						
Material		Aluminum						
Finishing		Chromate Finish Aluminum						

Coaxial 10W 0° 12-Way Power Divider 10 – 200MHz

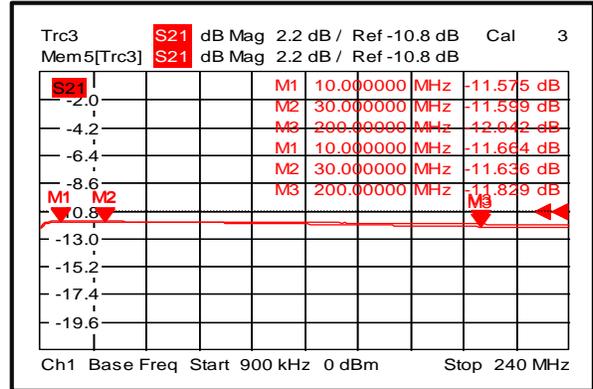


### Environmental Specifications

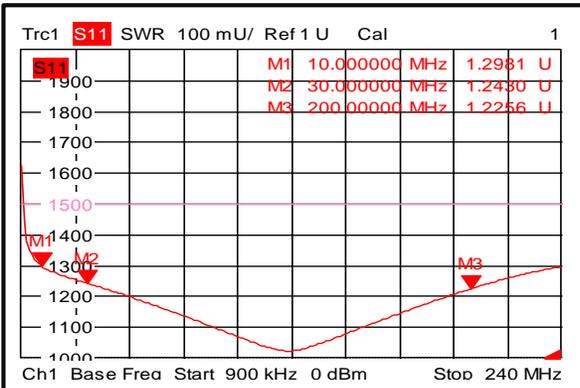
Operational Temperature (°C)	-25 to +70
Storage Temperature (°C)	-40 to +85
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Uncontrolled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

### Typical Performance Plots

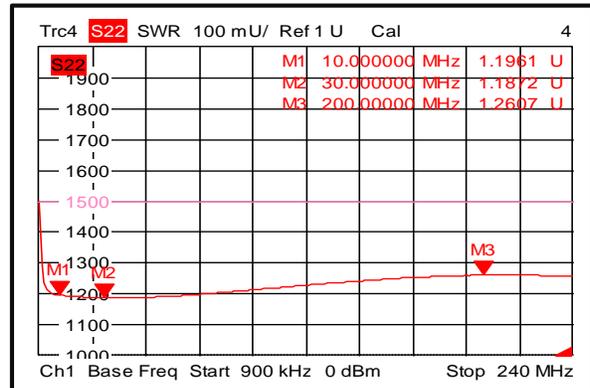
#### Loss & Amplitude Imbalance



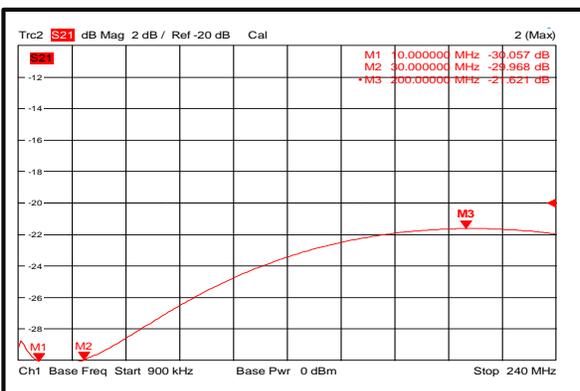
### Input VSWR



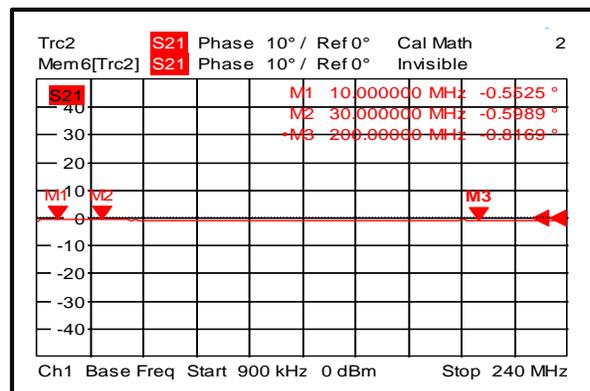
### Output VSWR



### Isolation



### Phase Imbalance



COAXIAL 10W 0° 12-WAY POWER DIVIDER 10 – 200MHz

