

Features

- High power handling capability up to 30W
- 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

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Unit
Frequency	0.5	-	2	2	-	6	GHz
Nominal SplitterLoss	-	9	-	-	9	-	dB
Insertion Loss	-	1.5	2.0	-	2.5	3.5	dB
Isolation	18	22	-	18	23	-	dB
Input VSWR	-	1.4	1.6	-	1.4	1.6	--
Output VSWR	-	1.3	1.4	-	1.3	1.4	--
Amplitude Unbalance	-	±0.2	±0.3	-	±0.3	±0.5	dB
Phase Unbalance	-	±3	±5	-	±5	±7	deg
Power Rating	Forward Power	30					W
	Reverse Power	2					W
	Peak Power	300					W
Impedance	50					Ohms	
Weight	/					Ounce	
Input / Output Connectors	SMA-FEMALE						
Materials	Aluminum						
Finish	Gray Paint						

Environmental Specifications

Operating Temperature	-45 to +85°C
Storage Temperature	-55 to +125°C
Altitude	30,000ft (Epoxy Sealed Controlled environment)

Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C 95% RH at 40°C
Shock	20G for 11msec half sinewave, 3 axis both directions

Outline Drawing

Unit: mm [inches]

Outline tolerance: ± 0.5 [0.01]

Mounting Holes Tolerances: ± 0.2 [0.008]