

Features

- High power handling capability up to 30W
- 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

Electrical Specifications

Parameter	Min.	Typ.	Max.	Unit
Frequency	30	-	31	GHz
Nominal Splitter Loss	-	4.8	-	dB
Insertion Loss	-	0.8	1.2	dB
Isolation	15	18	-	dB
Input VSWR	-	1.4	1.5	--
Output VSWR	-	1.35	1.5	--
Amplitude Unbalance	-	±0.3	±0.5	dB
Phase Unbalance		±4	±6	deg
Power Rating	Forward Power	30		W
	Reverse Power	1		W
	Peak Power	300		W
Impedance	50			Ohms
Weight	/			Ounce
Input / Output Connectors	2.92mm Female			
Materials	Aluminum			
Finish	Gray Paint			

Environmental Specifications

Operating Temperature	-40 to +85°C
Storage Temperature	-50 to +105°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 [0.02]

Mounting Holes Tolerance: ± 0.2 [0.008]