

## Features

High power handle capability up to 30W

Wide band operation

High isolation within operational band

Low Insertion loss

Low temperature coefficient material offer stable performance over temperature

Aerospace and military application

LMDS multi-carrier operation

High peak to average handle capability

All specifications can be modified upon request

## Electrical Specifications

Parameter		Min.	Typ.	Max.	Unit
Frequency		6	-	18	GHz
Nominal Splitter Loss		-	4.8	-	dB
Insertion Loss		-	0.8	1.0	dB
Isolation		18	20	-	dB
Input VSWR		-	1.5	1.7	--
Output VSWR		-	1.35	1.5	--
Amplitude Unbalance		-	±0.3	±0.4	dB
Phase Unbalance		-	±4	±6	deg
Power Rating	Forward Power	20			W
	Reverse Power	1			W
	Peak Power	200			W
Impedance		50			Ohms
Weight		1.76			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:  $\pm 0.2$ [0.008]