

Typical Applications

- Wireless Telecom Systems
- Aerospace and Military Applications
- IF & RF Applications

Main Features

L-Band Coaxial Power Divider
 High Isolation
 Low Insertion Loss
 High power handle capability up to 50W
 High peak to average handle capability
 Low Temperature coefficient material offer stable performance over temperature range
 SMA Connectorized

Electrical Specifications

Parameter	Unit	Specification
Frequency Range	MHz	818 - 918
Isolation	dB	20 min 22 typ.
Insertion Loss	dB	0.2 typ. 0.3 max (Above 3 dB)
VSWR Input/Output		1.2 : 1 max / 1.2 : 1 max
Phase Unbalance	°	± 2 max
Amplitude Unbalance	dB	± 0.2 max
Forward Power	W	50 max CW
Reverse Power	W	5 max CW
Peak Power	W	500 max CW
In/Out Impedance	Ohm	50 typ.

Environment

Parameter	Unit	Specification
Operating Temperature	°C	-40°C to +85°C
Storage Temperature	°C	-55°C to +125°C
Altitude	ft	30 000 (Epoxy Seal Controlled Environment)
Altitude (Optional)	ft	60 000 1.0 psi min (Hermetically Seal Uncontrolled Environment)
Vibration	g	25 g RMS (15° @ 2 KHz) endurance, 1 hour per axis
Humidity	%	100 RH at 35°C, 95 RH at 40°C
Shock	G	20 for 11msc half sin wave, 3 axis both directions

Mechanical Specifications

Parameter	Unit	Specification
RF connectors		SMA - female
Finish		Gray Paint
Material		Aluminum

Outline drawing

2-way Power Divider

All dimensions in mm [inch]

Tolerance +0.25 [0.01]

