

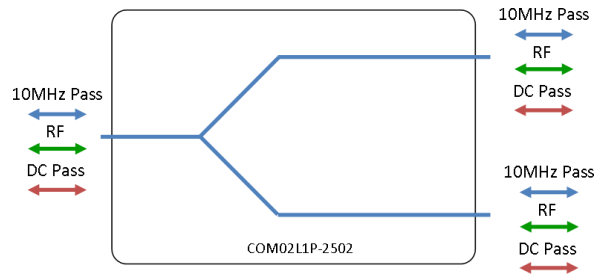


RF Components

2-Way L-Band Passive Splitter/Combiner

850 - 2150 MHz

Model Number:
COM02L1P-2502



- All RF ports DC & 10MHz pass

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type



850-2150 MHz
Operating frequency
range. L-Band ready



Compact

Housed in
rugged compact
enclosure



Flexible Mounting

Tapped screw &
through hole
mounting options

RF Parameters					
COM02L1P-2502-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	850 - 2150MHz				
RF Connectors	50 Ω SMA	50 Ω N-Type	50 Ω BNC	75 Ω BNC	75 Ω F-Type
Mean Insertion Loss (dB)	0.4 $\pm$ 0.2	0.4 $\pm$ 0.2	0.4 $\pm$ 0.2	0.4 $\pm$ 0.2	0.4 $\pm$ 0.2
Flatness $\pm$ (dB)	0.25	0.25	0.25	0.25	0.25
Input Return Loss (dB)	Typ. 20	20	20	20	20
	Min 16	16	16	16	16
Output Return Loss (dB)	Typ. 26	26	26	26	26
	Min 18	18	18	18	18
Isolation (dB)	Typ. 25	25	25	25	25
	Min 20	20	20	20	20
Amplitude Balance (dB)	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.5	≤ 0.5
Phase Balance (Φ)	$\leq 2^\circ$	$\leq 2^\circ$	$\leq 2^\circ$	$\leq 5^\circ$	$\leq 5^\circ$
The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider 10MHz Insertion Loss is up to 3dB above the theoretical loss* 10MHz Rejection is 20dB* *To ports which are applicable					

Broadcast



Marine Oil & Gas



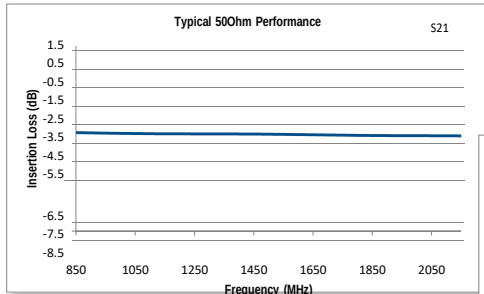
SNG & VSAT



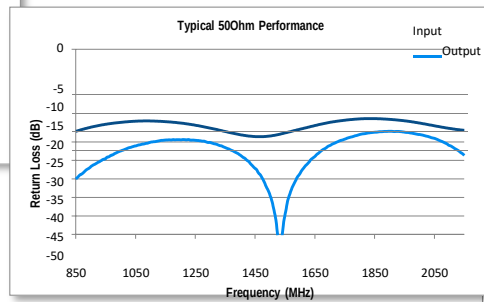
Satellite Teleport



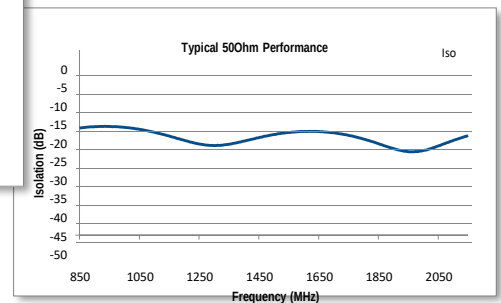
Technical specifications and operating parameters



Insertion Loss



Return Loss



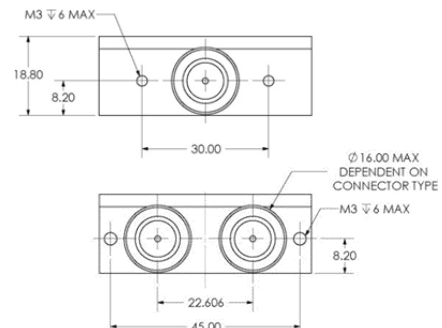
Insertion Loss

Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max.	85% non-condensing
Altitude	Max.	10,000 feet

Max Operating Parameters	
Input RF Power into matched load with 20dB return loss	+37dBm (5W) as splitter +27dBm (500mW) as combiner
DC Voltage	35V on any RF port
DC Current	500mA
DC Consumption	N/A

Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.