

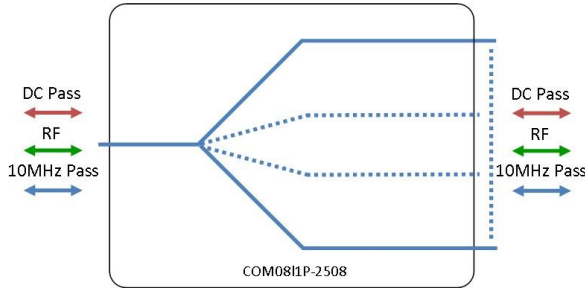


Model Number:  
**COM08L1P-2508**

RF Components

## 8-Way L-Band Passive Splitter/Combiner

**850 - 2150MHz**



- All RF ports 10MHz & DC 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

Passive

RF Parameters					
COM08L1P-2508-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	850-2150 MHz				
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Insertion Loss (dB)	0.7±0.5	0.7±0.5	0.7±0.5	1.0±0.6	1.0±0.6
Flatness ± (dB)	0.5	0.5	0.5	0.8	0.8
Input Return Loss (dB)	Typ.	20	18	15	12
	Min	16	16	16	8
Output Return Loss (dB)	Typ.	20	18	15	12
	Min	16	16	16	8
Isolation (dB)	Typ.	23	22	21	18
Amplitude Balance (dB)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Phase Balance (Φ)	≤5°	≤5°	≤5°	≤5°	≤5°

The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider  
10MHz Insertion Loss is up to 4 dB above the theoretical loss\*  
\*To ports which are applicable

### Broadcast



### Marine Oil & Gas



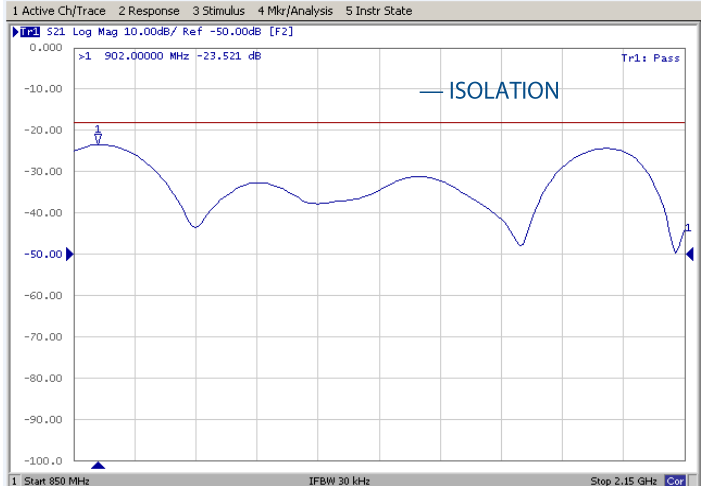
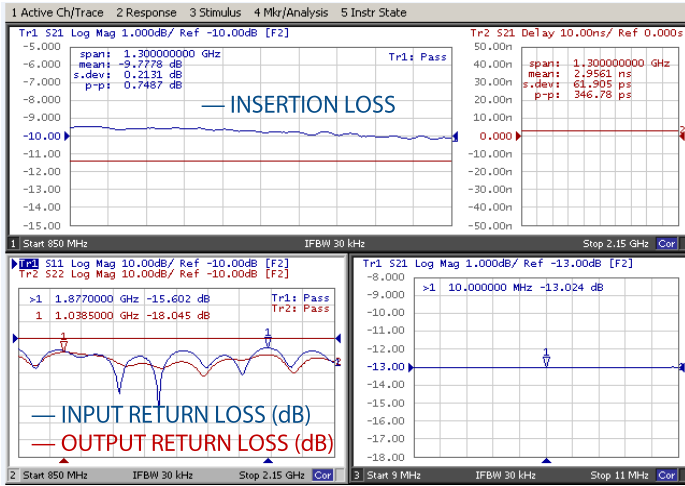
### SNG & VSAT



### Satellite Teleport



### Technical specifications and operating parameters

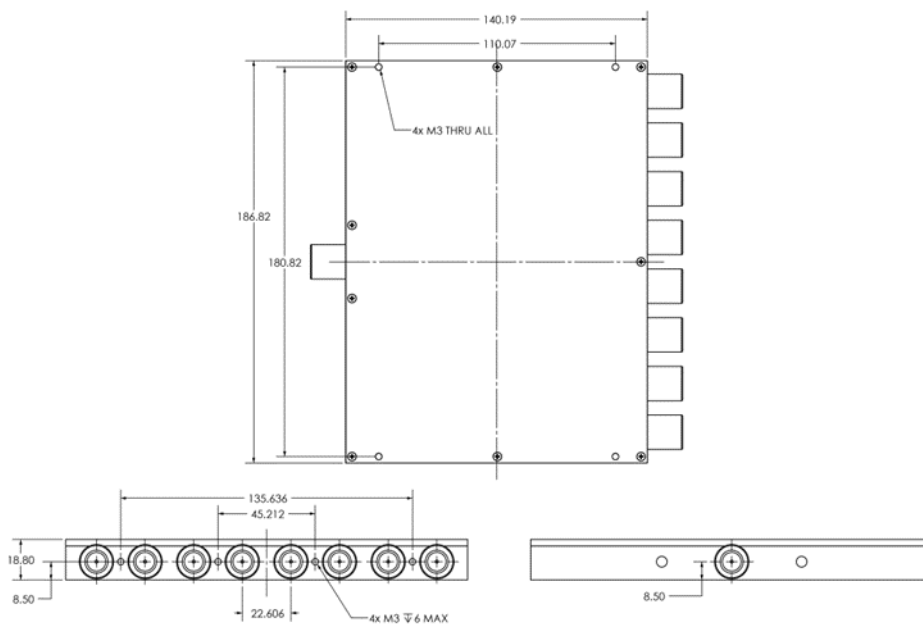


Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max.	85% non-condensing
Altitude	Max.	10,000 feet

Max Operating Parameters	
Input RF Power into matched load with 20dB return loss	+27dBm (500mW) as combiner +37dBm (5W) as splitter
DC Voltage	50V on any RF port
DC Current	5A

**!** 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.