

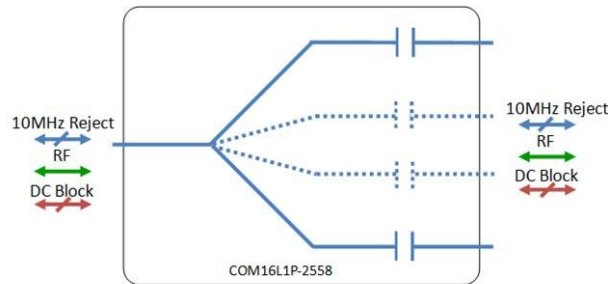


RF Components

Model Number:
COM16L1P-2558

16-Way L-Band Passive Splitter/Combiner

850 - 2150 MHz



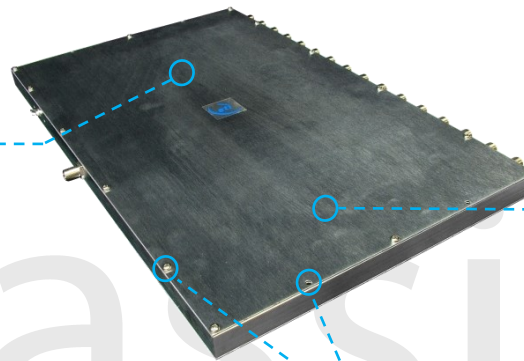
- All RF ports 10 MHz & DC blocked

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					
COM16L1P-2558-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	850-2150 MHz				
RF Connectors	50 Ω SMA	50 Ω N-Type	50 Ω BNC	75 Ω BNC	75 Ω F-Type
Insertion Loss (dB)	Typ.	2.0	2.2	2.4	2.8
	Max.	3.2	3.5	3.5	4.0
Flatness $\pm$ (dB)	1	1	1	1	1
Input Return Loss (dB)	Typ.	20	18	15	14
	Min	10	10	10	8
Output Return Loss (dB)	Typ.	20	18	15	14
	Min	10	10	10	8
Isolation (dB)	Typ.	23	20	20	20
Amplitude Balance (dB)	≤ 0.3	≤ 0.5	≤ 0.5	≤ 0.7	≤ 1.0
Phase Balance (Φ)	$\leq 3^\circ$	$\leq 4^\circ$	$\leq 4^\circ$	$\leq 6^\circ$	$\leq 10^\circ$
The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider 10MHz Rejection is 40dB* *To ports which are applicable					

Broadcast



Marine Oil & Gas



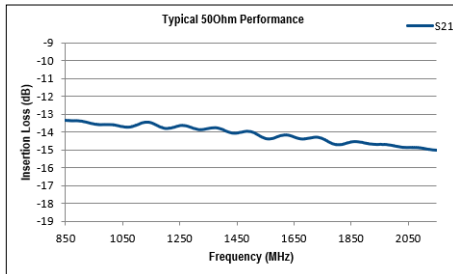
SNG & VSAT



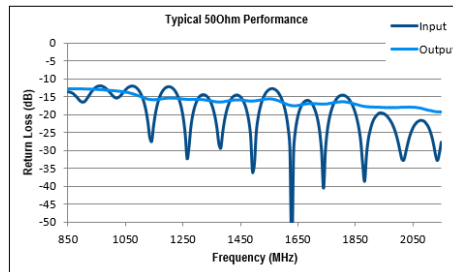
Satellite Teleport



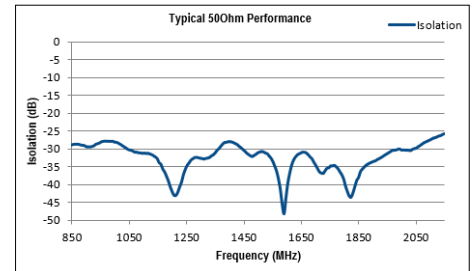
Technical specifications and operating parameters



Insertion Loss (dB)



Return Loss (dB)



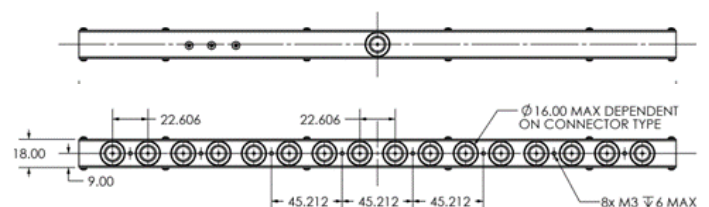
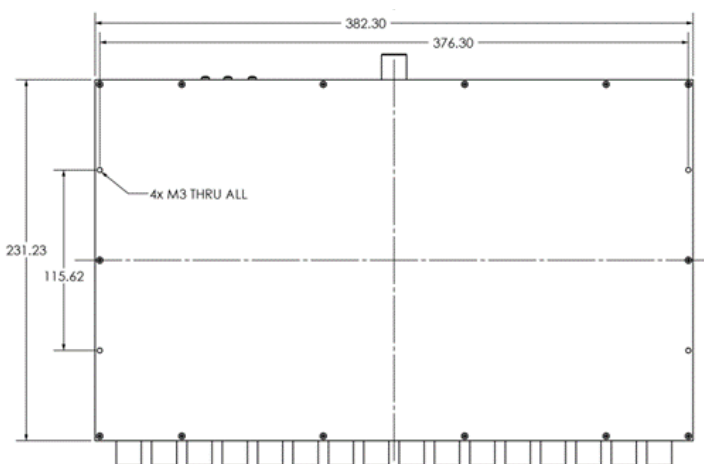
Isolation (dB)

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 (As splitter)	+37 dBm (5W)
Input RF Power (As combiner)	+33 dBm (2W)
DC Voltage	35V on any RF port
DC Current	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.