

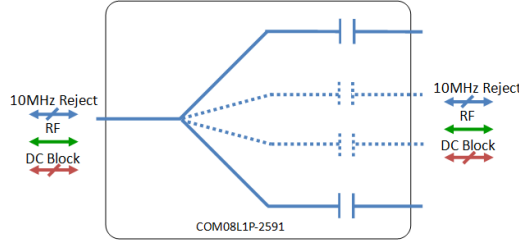


RF Components

Model Number:
COM08L1P-2591

8-Way L-Band Passive Splitter/Combiner

850 - 2150MHz



- All RF ports 10MHz & 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						
COM08L1P-2591-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	
Insertion Loss (dB)	Typ.	1.5	1.5	1.6	1.8	2.0
	Max	2.2	2.2	2.5	2.9	3.1
Flatness ± (dB)	±1.2	±1.2	±1.4	±1.7	±1.7	
Input Return Loss (dB)	Typ.	18	18	15	15	15
	Min	13	13	10	8	8
Output Return Loss (dB)	Typ.	22	22	20	15	15
	Min	13	13	12	8	8
Isolation (dB)	Typ.	22	22	22	22	22
Amplitude Balance (dB)	≤0.3	≤0.5	≤0.5	≤1.0	≤1.0	
Phase Balance (Φ)	≤3°	≤4°	≤4°	≤10°	≤10°	

The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider
 10MHz Rejection is 20dB*
 *To ports which are applicable

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



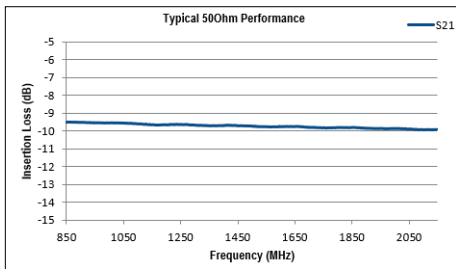


RF Components

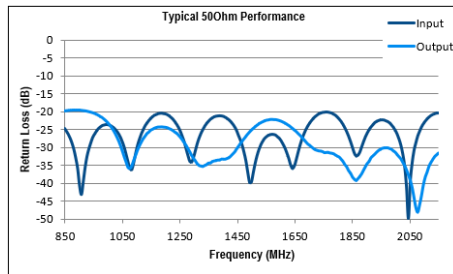
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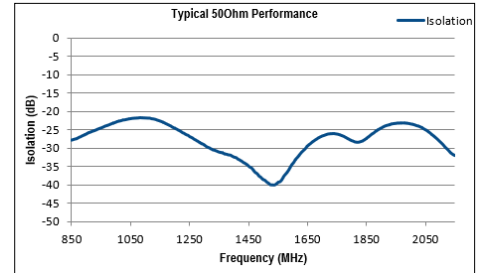
Technical specifications and operating parameters



Insertion Loss (dB)



Return Loss (dB)



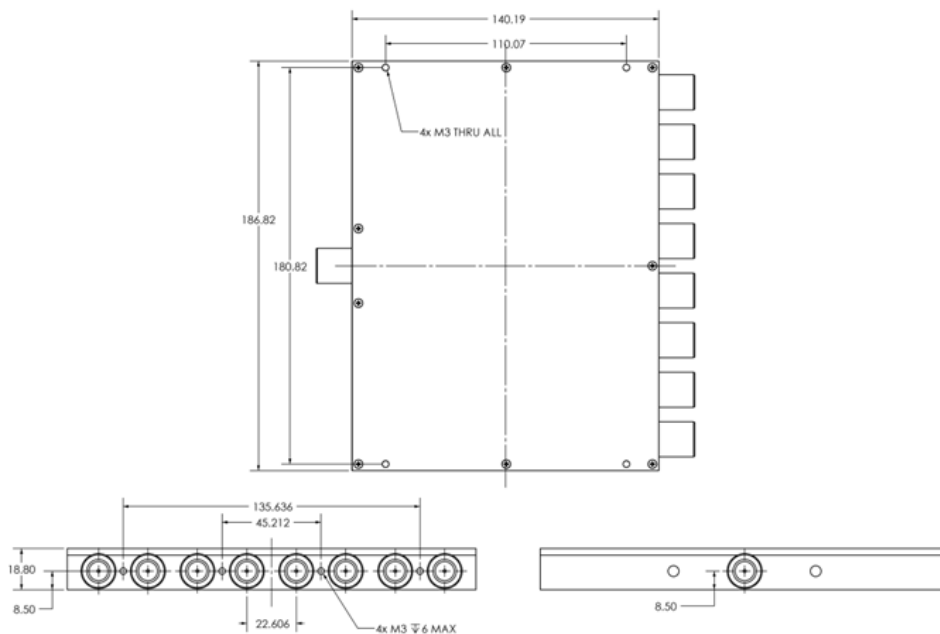
Isolation (dB)

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 (Splitter)	+37 dBm (5W)
Input RF Power (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.

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