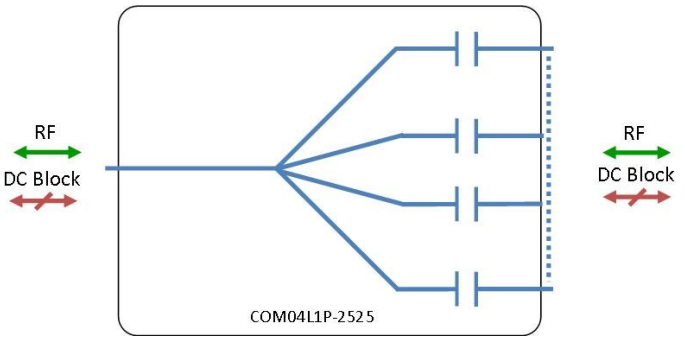
RF Components

Model Number:
COM04L1P-2525

4-Way L-Band Passive Splitter/Combiner

850 - 2150 MHz



- All RF ports 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						
COM04L1P-2525-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)		0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3
Flatness ± (dB)		0.5	0.5	0.5	0.5	0.5
Input Return Loss (dB)	Typ.	20	20	20	20	20
	Min	16	16	16	16	16
Output Return Loss (dB)	Typ.	20	20	20	23	23
	Min	16	16	16	16	16
Isolation (dB)	Typ.	28	28	28	28	28
	Min	20	20	20	20	20
Amplitude Balance (dB)		≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Phase Balance (Φ)		≤5°	≤5°	≤5°	≤5°	≤5°

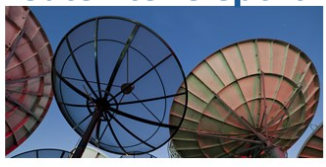
The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider
10MHz Insertion Loss is up to 3dB above the theoretical loss*
10MHz Rejection is 40dB*
*To ports which are applicable

Broadcast

Marine Oil & Gas

SNG & VSAT

Satellite Teleport

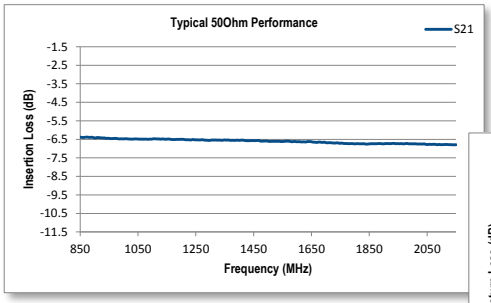


RF Components

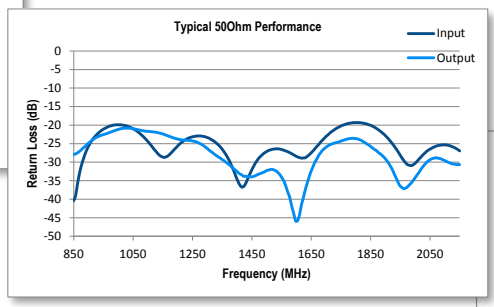
Model Number:
COM04L1P-2525

4-Way L-Band Passive Splitter/Combiner

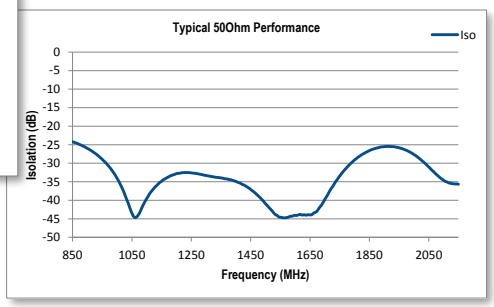
Technical specifications and operating parameters



Insertion Loss



Return Loss



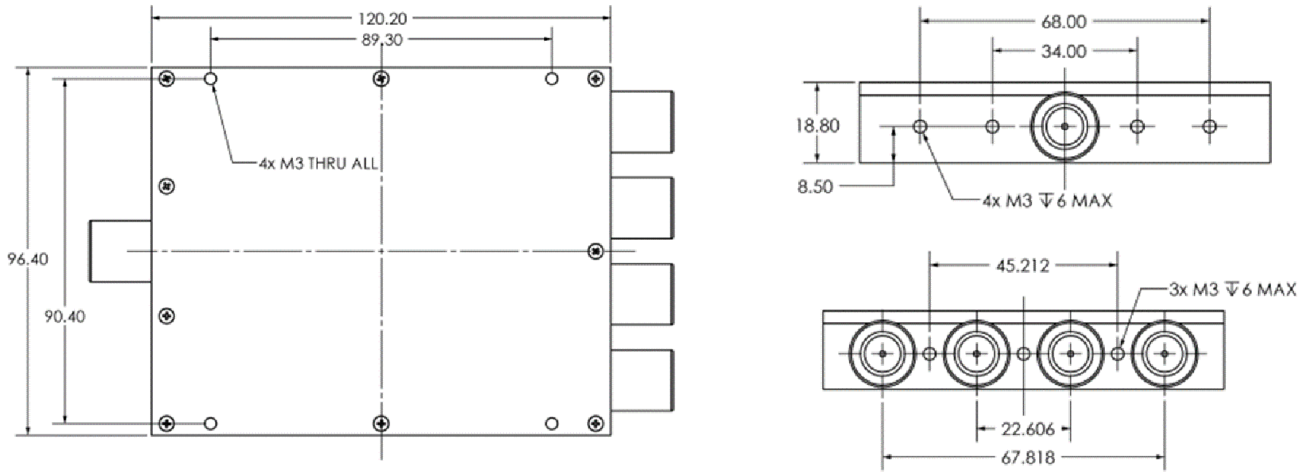
Isolation

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	35V on any RF port
DC Current	N/A
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.

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