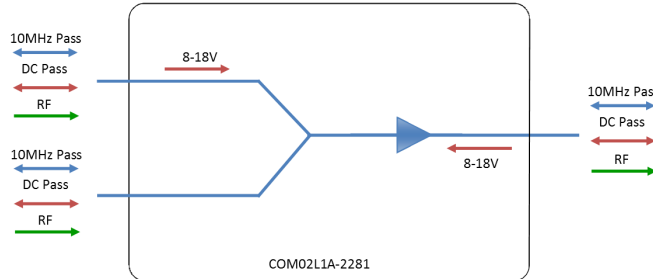




RF Components

2-Way Active L-Band Combiner

850 - 2150 MHz



Model Number:
COM02L1A-2281

- Unity gain & flat frequency response
- All ports 10MHz & DC pass
- Requires 8-18V DC powering on RF line

Available with RF connector options:

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



Compact

Housed in rugged compact enclosure

Flexible Mounting

Tapped screw & through hole mounting options

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

RF Parameters					
COM02L1A-2281-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 Gain (dB)	0 ± 0.5	0 ± 0.5	0 ± 0.6	0 ± 0.75	0 ± 0.75
Flatness ± (dB)	0.4	0.4	0.4	1.0	1.0
Input Return Loss (dB)	Typ.	20	20	20	12
	Min	14	14	14	8
Output Return Loss (dB)	Typ.	20	20	20	12
	Min	14	14	14	8
Output P1dB GCP** (dBm)	Typ.	12	12	12	12
	Min	10	10	10	10
Isolation (dB)	Typ.	18	18	18	18
Output IP3(dBm)	Typ.	21	21	21	21
Noise Figure (dB)	Typ.	13	13	13	13
Amplitude Balance (dB)	≤0.2	≤0.2	≤0.2	≤0.5	≤0.5
Phase Balance (Φ)	≤3°	≤3°	≤6°	≤6°	≤6°
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)					

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





RF Components

Model Number:
COM02L1A-2281

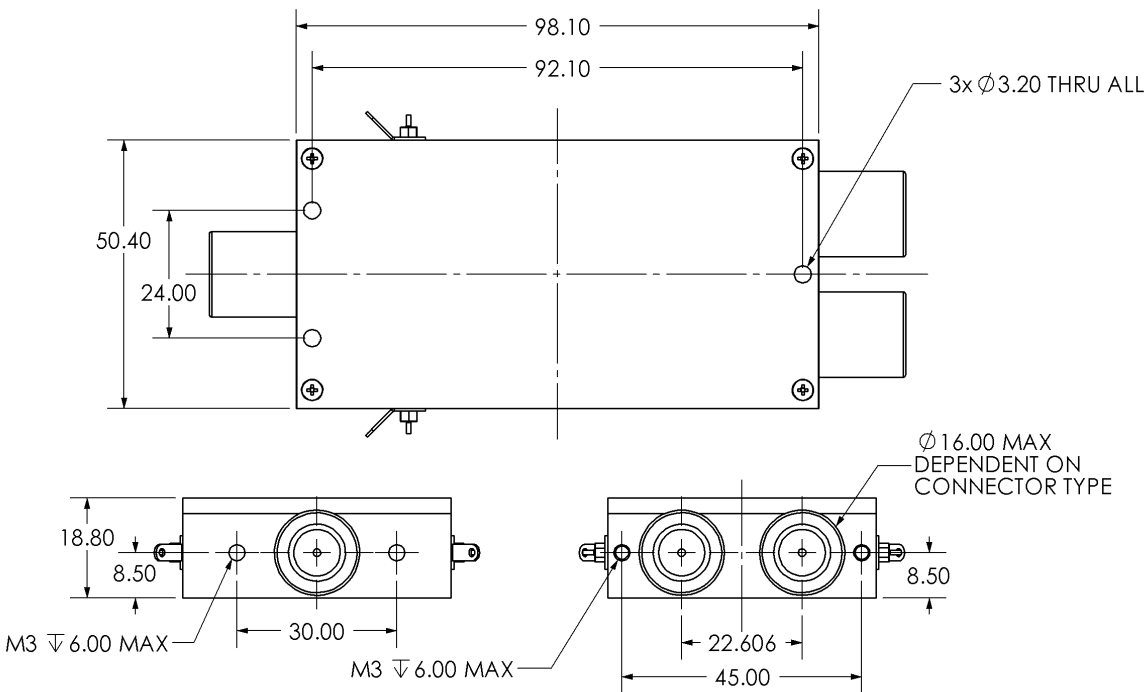
2-Way Active L-Band Combiner

Technical specifications and operating parameters

Environmental		Max Operating Parameters	
Operating Temperature	0°C to +45°C	Input RF Power	+21 dBm (125mW)
Storage Temperature	-20°C to +75°C	DC Voltage	35V on any RF port
Location	Indoor use Only	DC Current	2A Max Total Current on any RF Ports
Humidity	Max 85% non-condensing	DC Consumption	100mA Max, 80mA typical
Altitude	Max 10,000 feet		

! 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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