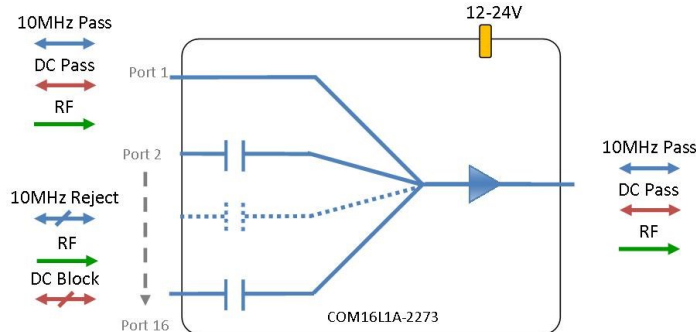




RF Components

# 16-Way L-Band Active Combiner

850 - 2150 MHz



Model Number:  
**COM16L1A-2273**

- Unity gain
- Flat frequency response
- Port 1 10MHz & DC pass
- All other ports 10MHz & DC blocked
- Requires 12-24V external DC bias

Available with RF connector options:

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

**12-24V**  
External DC  
powering

**Compact**  
Housed in  
rugged compact  
enclosure

**Flexible  
Mounting**  
Tapped screw &  
through hole  
mounting options

**850-2150 MHz**  
Operating frequency  
range.

RF Parameters					
COM16L1A-2273-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
Gain (dB)	0 ± 2	0 ± 2	0 ± 2	0 ± 2.5	0 ± 2.5
Flatness ± (dB)	1	1	1.2	1.5	1.5
Input Return Loss (dB)	Typ.	20	20	18	12
	Min	16	16	15	8
Output Return Loss (dB)	Typ.	14	14	12	10
	Min	12	12	10	8
Output P1dB GCP** (dBm)	Typ.	10	10	10	10
	Min	8	8	8	8
Isolation (dB)	Typ.	20	20	20	20
Output IP3(dBm)	Typ.	20	20	20	20
Noise Figure (dB)	Typ.	27	27	27	27

10MHz Rejection is typically 25dB\*  
\*To ports which are applicable  
\*\*GCP (Gain Compression Point)

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

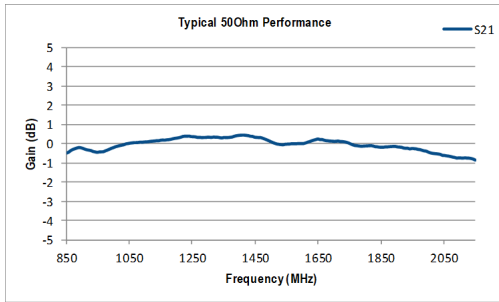




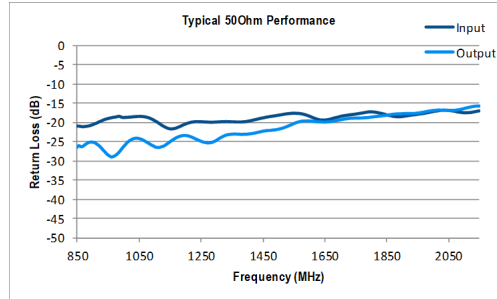
RF Components

Model Number:  
**COM16L1A-2273**  
16-Way L-Band Active Combiner

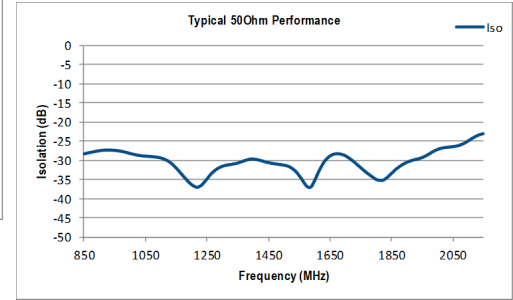
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



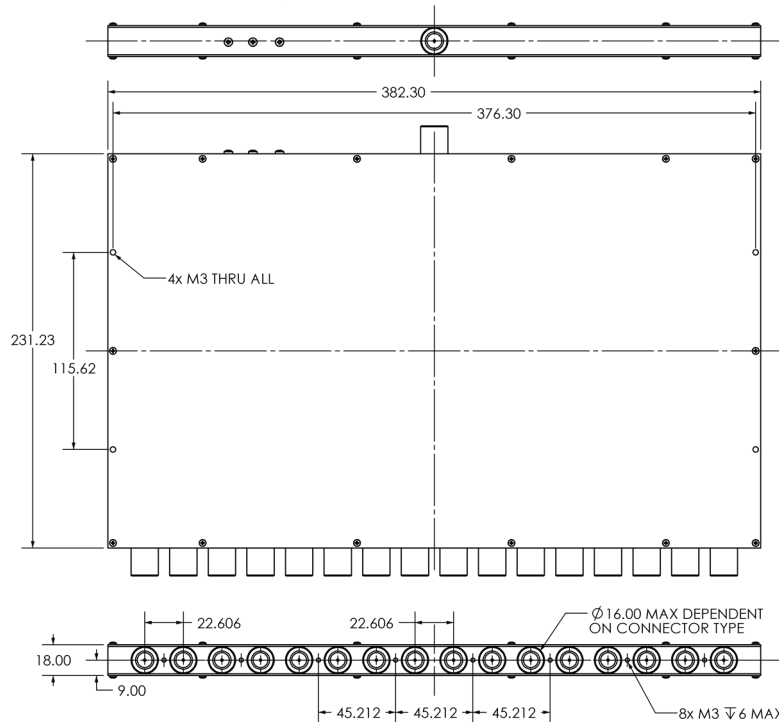
Isolation (dB)

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	20dBm
DC Voltage	30V on any RF port
DC Current	Max 2A max
DC Consumption	200mA typically 160mA

! 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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