



Model Number:  
**COM16L1A-2223**

RF Components

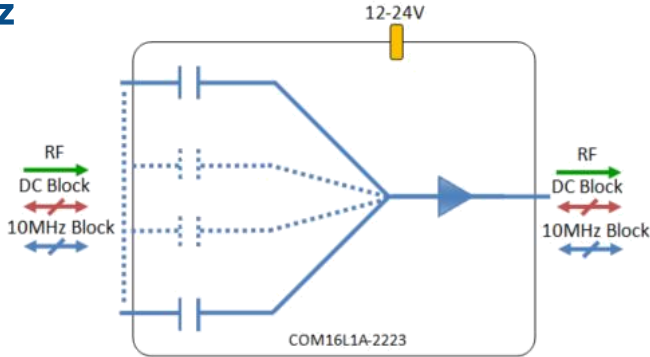
# 16-Way L-Band Active Combiner

850 - 2150 MHz

- Unity gain
- All ports 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



**Compact**

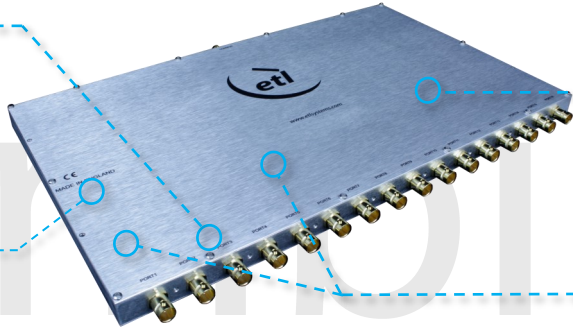
Housed in rugged compact enclosure

**Flexible Mounting**

Tapped screw & through hole mounting options

**12-24V**  
External DC powering

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



RF Parameters						
COM16L1A-2223-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 ± 0.50	0 ± 0.50	0 ± 0.60	0 ± 0.75	0 ± 0.75	
Flatness ± (dB)	0.6	0.6	0.8	1.0	1.2	
Input Return Loss (dB)	Typ.	22	22	18	15	12
	Min	14	14	12	8	8
Output Return Loss (dB)	Typ.	20	20	18	15	15
	Min	12	12	12	8	8
Output P1dB GCP** (dBm)	Typ.	16	16	16	16	16
	Min	13	13	13	13	13
Isolation (dB)	Typ.	26	26	26	26	26
Output IP3(dBm)	Typ.	26	26	26	26	26
Noise Figure (dB)	Typ.	15	15	15	15	15
Amplitude Balance (dB)		≤ 0.6	≤ 0.6	≤ 0.6	≤ 0.8	≤ 0.8
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)						

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

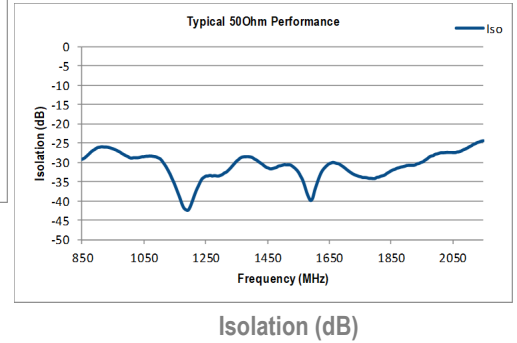
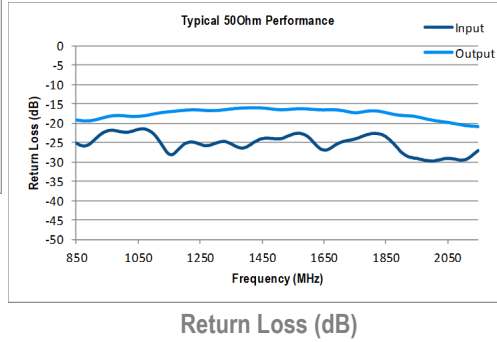
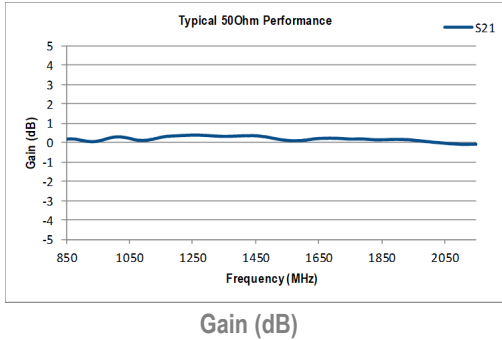




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Technical specifications and operating parameters

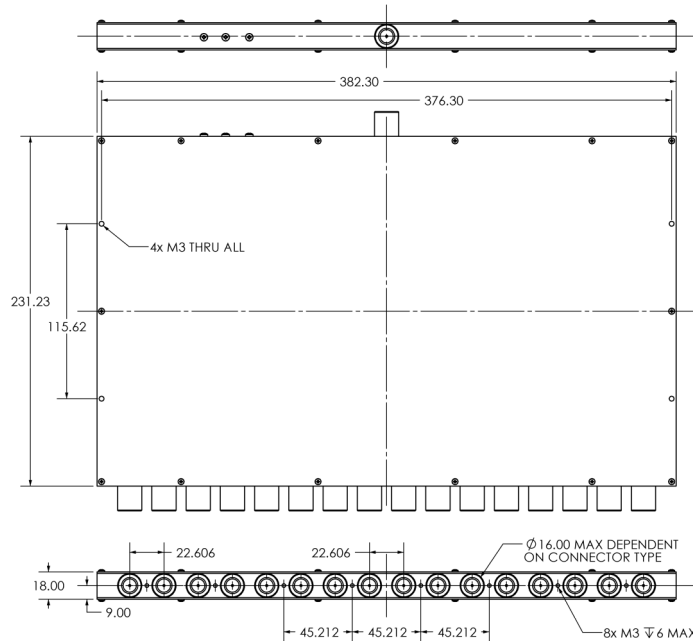


Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+24 dBm (250mW)
DC Voltage	35V on any RF port
DC Consumption	200mA Max typical 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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