

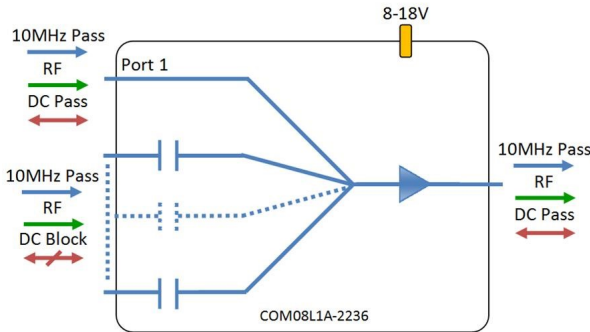


Model Number:
COM08L1A-2236

RF Components

8-Way L-Band Active Combiner

850 - 2150 MHz



- Unity gain
- All ports 10MHz pass
- Port 1 DC pass
- All other ports DC blocked
- Requires 8-18V 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

8-18V
External DC
powering

850-2150 MHz
Operating frequency
range.



Compact
Housed in
rugged compact
enclosure

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

		RF Parameters				
COM08L1A-2236-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	0.6	0.7	1.0
Input Return Loss (dB)	Typ.	22	22	18	12	12
	Min	14	14	10	8	8
Output Return Loss (dB)	Typ.	20	20	16	15	15
	Min	14	14	10	8	8
Output P1dB GCP** (dBm)	Typ.	16	16	16	16	16
	Min	14	14	14	14	14
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)		Typ. ≤ 0.1	≤ 0.1	≤ 0.2	≤ 0.2	≤ 0.2
Phase Balance (Φ)		≤ 5°	≤ 5°	≤ 5°	≤ 5°	≤ 5°

**GCP (Gain Compression Point)

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

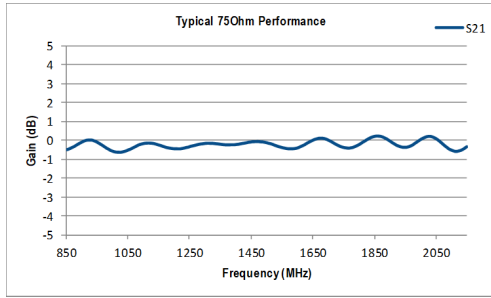




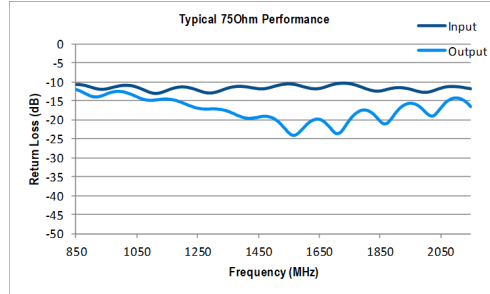
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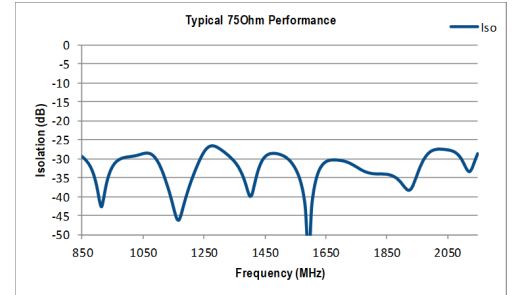
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



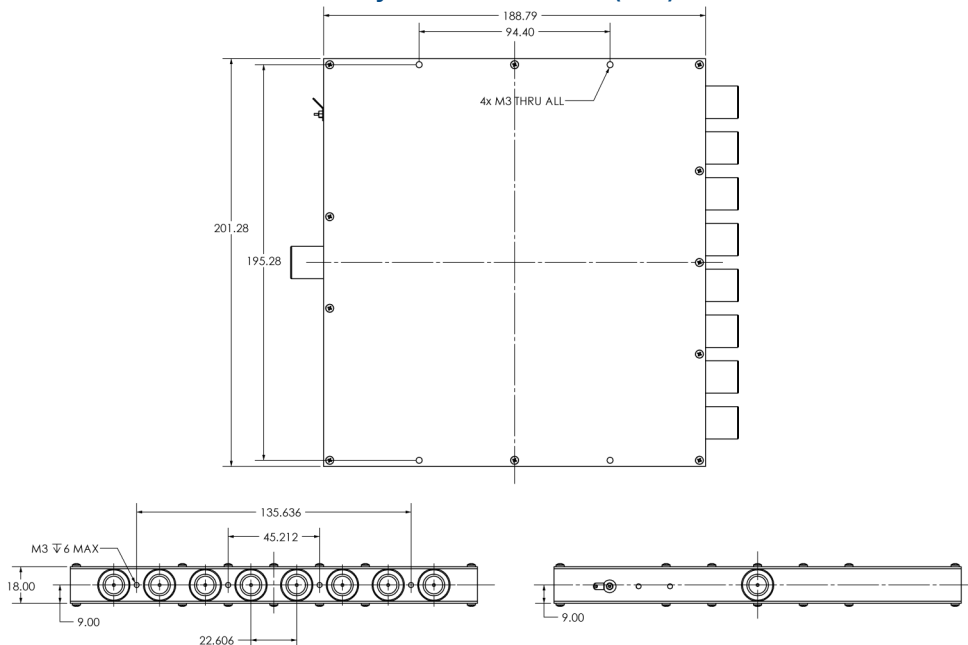
Isolation (dB)

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		+24 dBm (250mW)
DC Voltage		50V on any RF port
DC Current	Max	500mA Resettable Fuse
DC Consumption		100mA Max typical 80mA

! 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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