

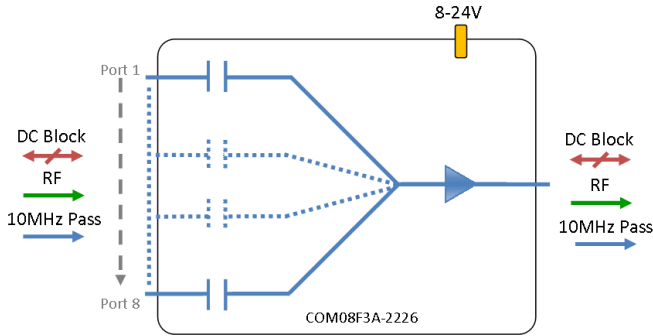


Model Number:  
**COM08F3A-2226**

RF Components

# 8-Way IF-Band Active Combiner

## 20 - 200 MHz



- All ports 10MHz pass & DC blocked
- Requires 8-24V 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

**8-24V**  
External DC  
powering

**Compact**  
Housed in  
rugged compact  
enclosure

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

**20-200 MHz**  
Operating frequency  
range.



RF Parameters					
COM08F3A-2226-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	20 - 200 MHz				
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Gain (dB)	0±1.2	0±1.2	0±1.2	0±1.5	0±1.5
Flatness ± (dB)	0.8	0.8	1.0	1.2	1.2
Input Return Loss (dB)	Typ.	20	20	18	12
	Min	16	16	14	8
Output Return Loss (dB)	Typ.	20	20	18	12
	Min	16	16	14	8
Output P1dB GCP** (dBm)	Typ.	15	15	15	13
	Min	12	12	12	11
Isolation (dB)	Typ.	32	32	32	27
Output IP3(dBm)	Typ.	24	24	24	24
Noise Figure (dB)	Typ.	18	18	18	18
Amplitude Balance (dB)	Typ.	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.5
Phase Balance (Φ)		≤ 5°	≤ 5°	≤ 5°	≤ 5°

\*\*GCP (Gain Compression Point)

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

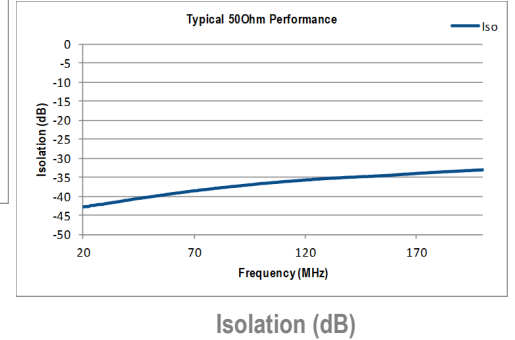
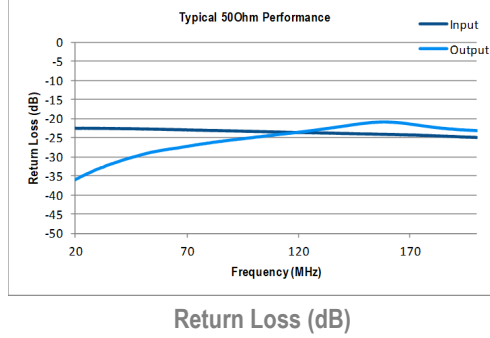
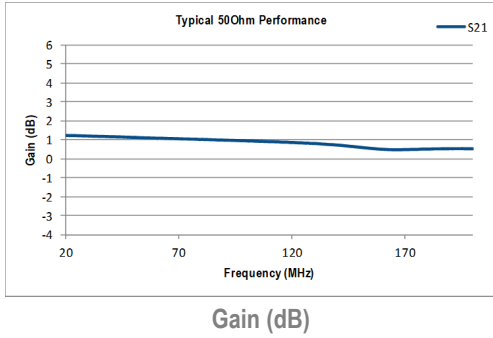




RF Components

Model Number:  
**COM08F3A-2226**  
8-Way IF-Band Active Combiner

**Technical specifications and operating parameters**

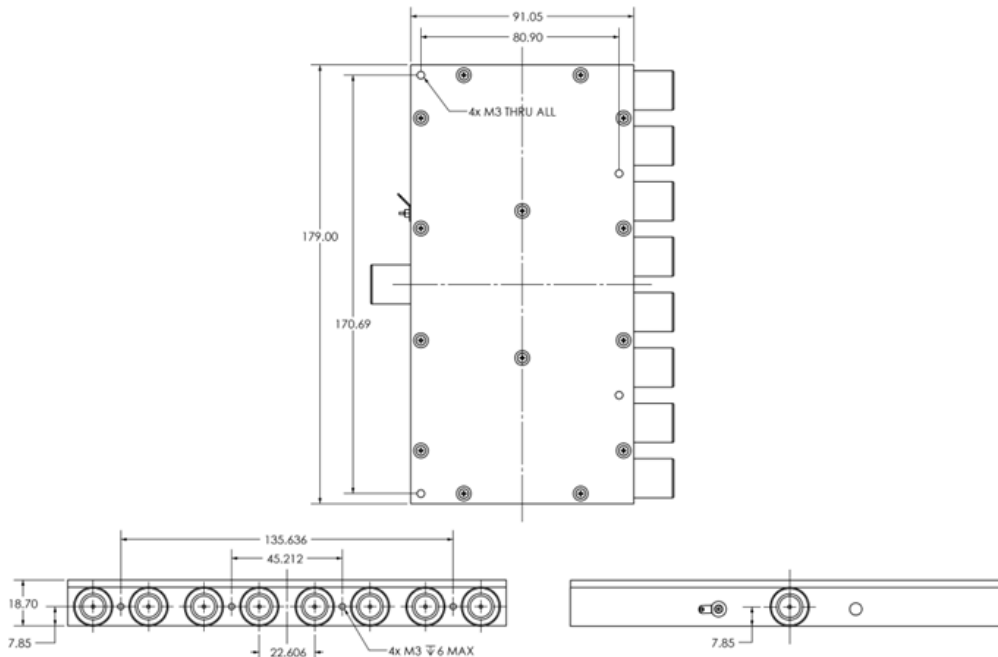


Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+16 dBm (40mW)
DC Voltage	35V on any RF port
DC Consumption	100mA Max, 80mA typical

**!** 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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