

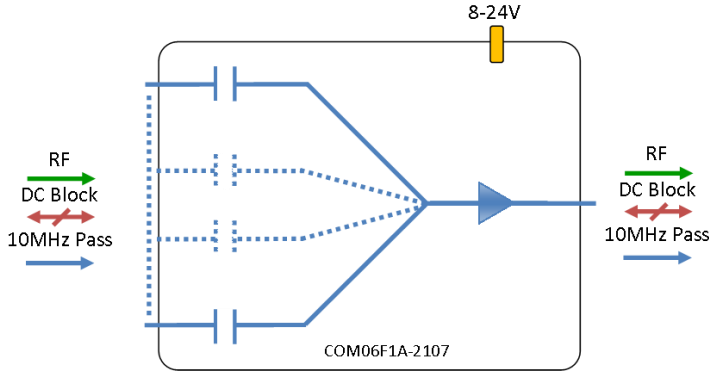


Model Number:  
**COM06F1A-2107**

RF Components

# 6-Way IF-Band Active Combiner

50 - 2800 MHz



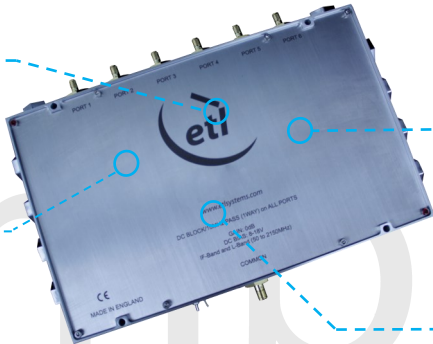
- All ports 10MHz pass & DC blocked
- Integral regulator
- Requires 8-24V external DC bias

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC

**8-24V**  
External DC  
powering

**50-2800 MHz**  
Operating frequency  
range. L-Band ready



**Compact**  
Housed in  
rugged compact  
enclosure

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

RF Parameters				
COM06F1A-2107		S5S5	N5N5	B5B5
Frequency Range		50 - 2800 MHz		
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC
Gain (dB)		0 ± 2	0 ± 2	0 ± 2
Input Return Loss (dB)	Typ.	24	24	22
	Min	18	18	16
Output Return Loss (dB)	Typ.	24	24	22
	Min	18	18	16
Output P1dB GCP** (dBm)	Typ.	5	5	5
	Min	2	2	2
Isolation (dB)		Typ. 18	18	18
Output IP3 (dBm)		Typ. 18	18	18
Noise Figure (dB)		Typ. 20	20	20
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)				

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

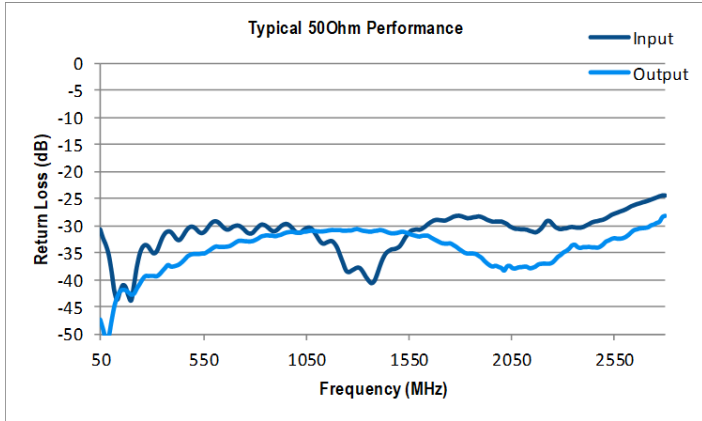




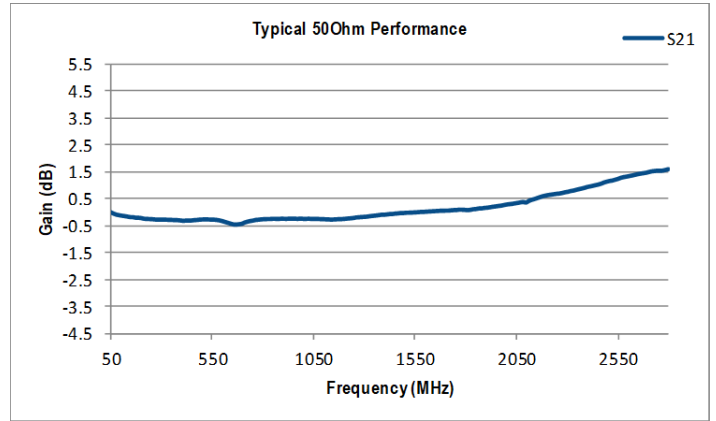
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6-Way IF-Band Active Combiner

Technical specifications and operating parameters



Return Loss (dB)



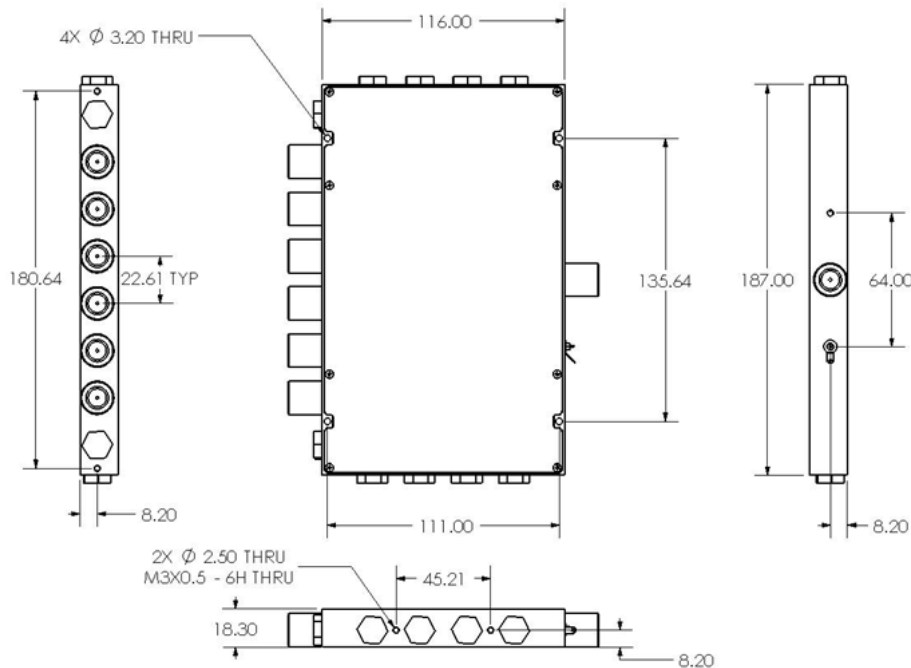
Gain (dB)

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	24V on any RF port

! 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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