

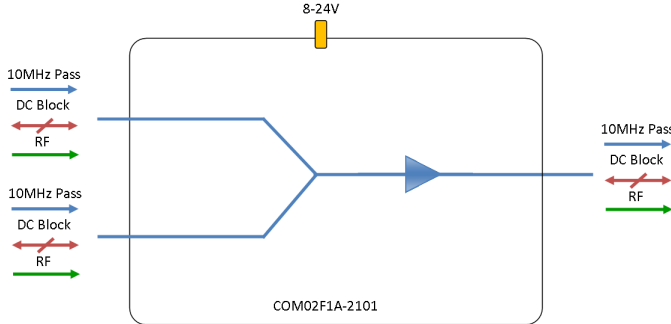


RF Components

Model Number:
COM02F1A-2101

2-Way IF-Band Active Combiner

50 - 2800 MHz



- Covering IF, L & S-Bands
- 10MHz Pass
- DC Blocked
- Built with integral regulator
- Requires 8 - 24V DC power.

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC

8-24V
External DC
powering

Compact
Housed in
rugged compact
enclosure

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

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



RF Parameters			
COM02F1A-2101-XXXX	S5S5	N5N5	B5B5
Frequency Range	50 - 2800 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC
Mean Gain (dB)	0 ± 2	0 ± 2	0 ± 2
Flatness ± (dB)	1.2	1.2	1.2
Input Return Loss (dB)	Typ.	20	18
	Min	16	14
Output Return Loss (dB)	Typ.	20	18
	Min	16	14
Output P1dB GCP** (dBm)	Typ.	12	12
	Min	9	9
Isolation (dB)	Typ.	15	15
Output IP3 (dBm)	Typ.	22	22
Noise Figure (dB)	Typ.	16	16
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)			

Broadcast



Marine Oil & Gas



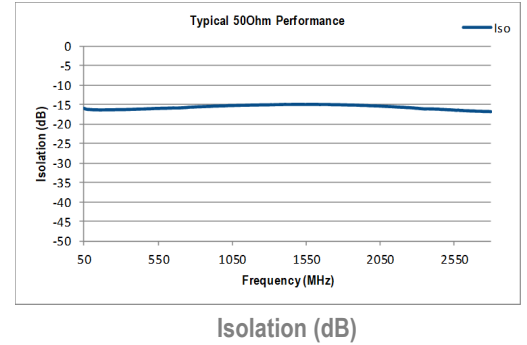
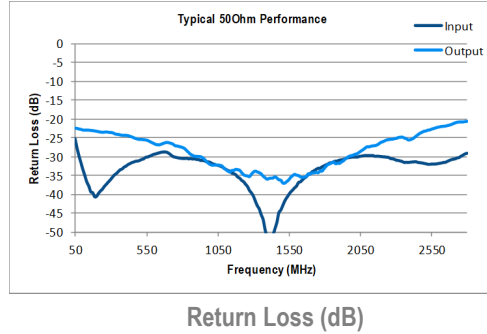
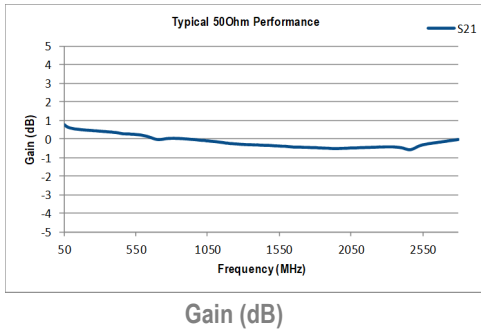
SNG & VSAT



Satellite Teleport



Technical specifications and operating parameters

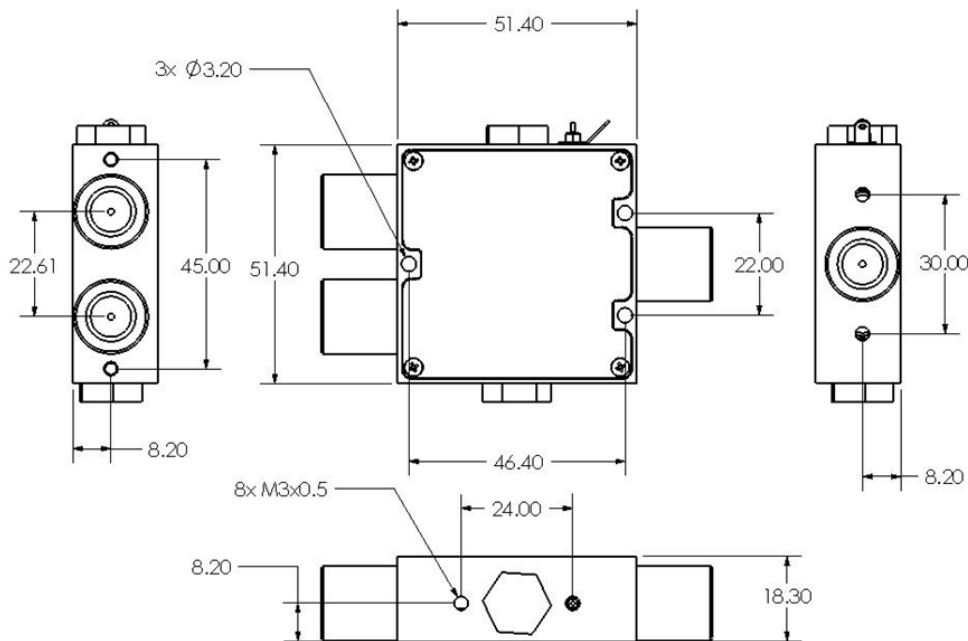


Environmental	
Operating Temperature	0°C to +45°C
Storage Temperature	-20°C to +75°C
Location	Indoor use Only
Humidity	Max 85% non-condensing
Altitude	Max 10,000 feet

Max Operating Parameters	
Input RF Power	24dBm
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.