

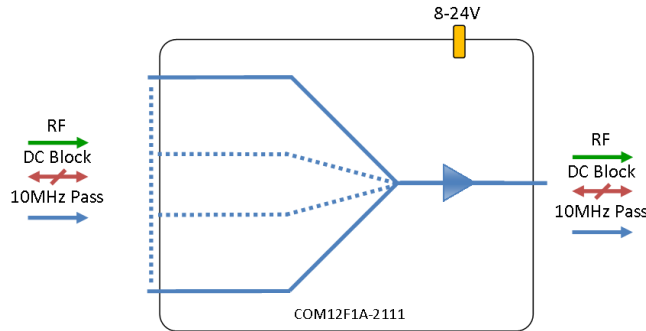


Model Number:
COM12F1A-2111

RF Components

12-Way IF-Band Active Combiner

50 - 2800 MHz



- All ports 10MHz pass & DC blocked
- Integral Regulator
- Requires external DC bias 8-24v

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

50-2800 MHz
Operating frequency
range.

Compact
Housed in
rugged compact
enclosure

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

		RF Parameters				
COM12F1A-2111-XXXX		S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range		50 - 2800 MHz				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Gain (dB)		0 ± 1.0	0 ± 1.0	0 ± 1.0	0 ± 1.5	0 ± 1.5
Flatness ± (dB)		1.5	1.5	1.5	2.0	2.0
Input Return Loss (dB)	Typ.	20	20	20	12	12
	Min	14	14	14	8	8
Output Return Loss (dB)	Typ.	20	20	20	15	15
	Min	12	12	12	8	8
Output P1dB GCP** (dBm)	Typ.	17	17	17	17	17
	Min	15	15	15	15	15
Isolation (dB)	Typ.	23	23	23	21	21
Output IP3(dBm)	Typ.	29	29	29	29	29
Noise Figure (dB)	Typ.	26	26	26	26	26
Amplitude Balance (dB)		≤ 2	≤ 2	≤ 2	≤ 2.5	≤ 2.5

10MHz Rejection is 20dB*
*To ports which are applicable
**GCP (Gain Compression Point)

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

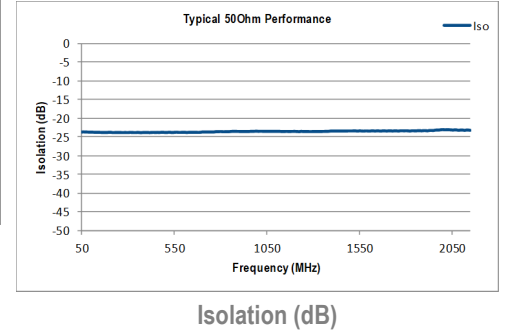
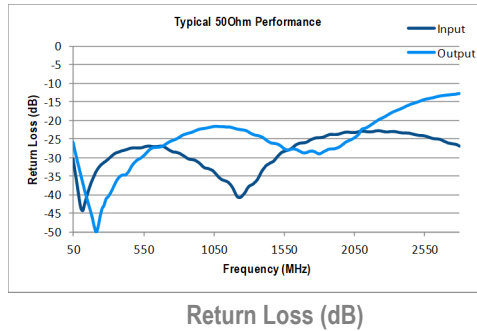
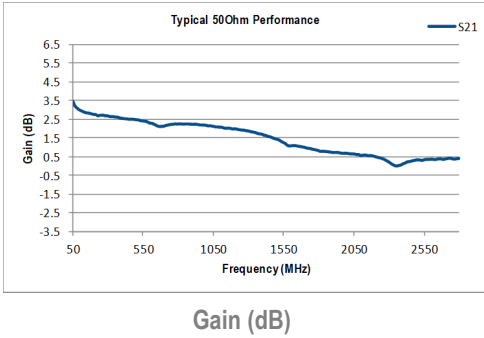




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Technical specifications and operating parameters

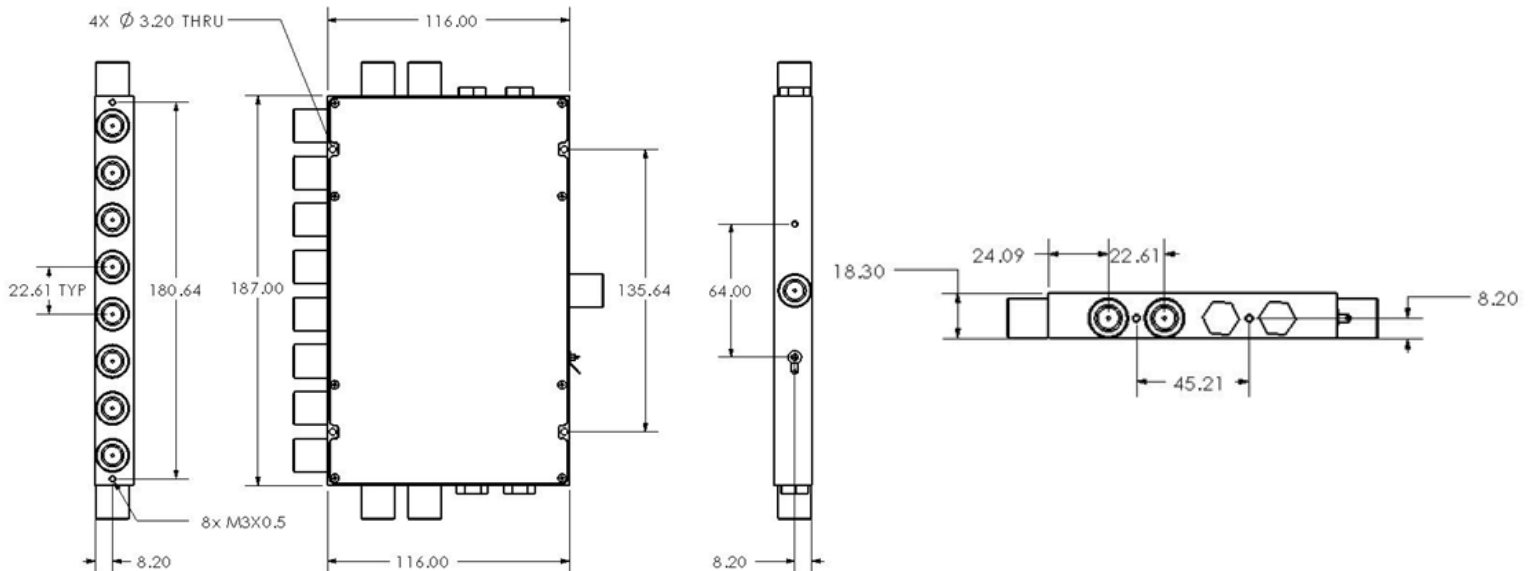


Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

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