

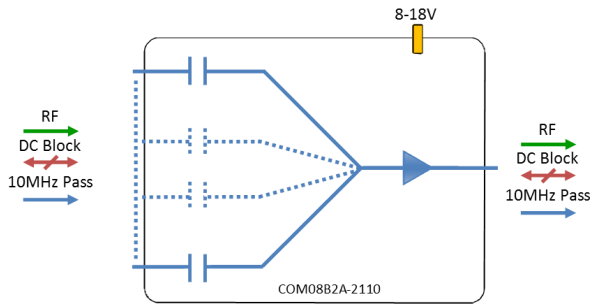


Model Number:
COM08B2A-2110

RF Components

8-Way Broadband Active Combiner

50 - 2150 MHz



- All ports 10 MHz pass & DC blocked
- Integral regulator
- 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

50-2150 MHz
Operating frequency
range.

Compact
Housed in
rugged compact
enclosure

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



		RF Parameters				
COM08B2A-2110-XXXX		S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range		50 - 2150 MHz				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Gain (dB)		0 ±2	0 ±2	0 ±2	0 ±2	0 ±2.5
Flatness ± (dB)		1.3	1.3	1.5	1.8	1.8
Input Return Loss (dB)	Typ.	16	15	14	12	12
	Min.	12	12	10	10	8
Output Return Loss (dB)	Typ.	16	15	14	12	12
	Min.	12	12	10	10	8
Output P1dB GCP** (dBm)	Typ.	5	5	0	0	0
	Min.	2	2	-2	-2	-2
Isolation (dB)		Typ. 14	14	14	14	14
Output IP3(dBm)		Typ. 10	10	10	10	10
Noise Figure (dB)		Typ. 21	21	21	21	21
Amplitude Balance (dB)		≤ 0.8	≤ 0.8	≤ 0.8	≤ 1.0	≤ 1.0
Phase Balance (Φ)		≤ 5°	≤ 5°	≤ 5°	≤ 5°	≤ 5°
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)						

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

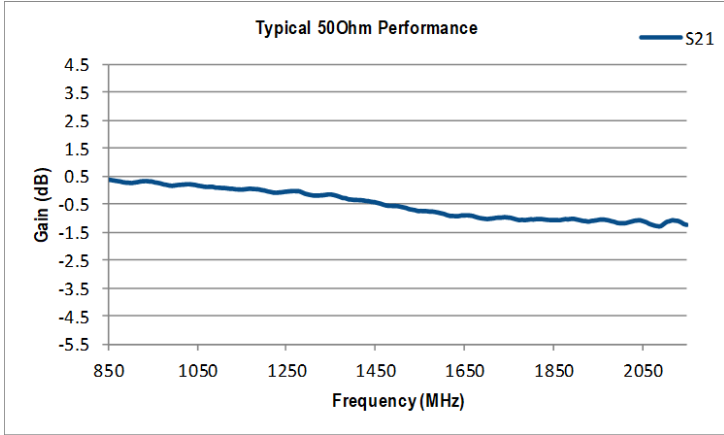




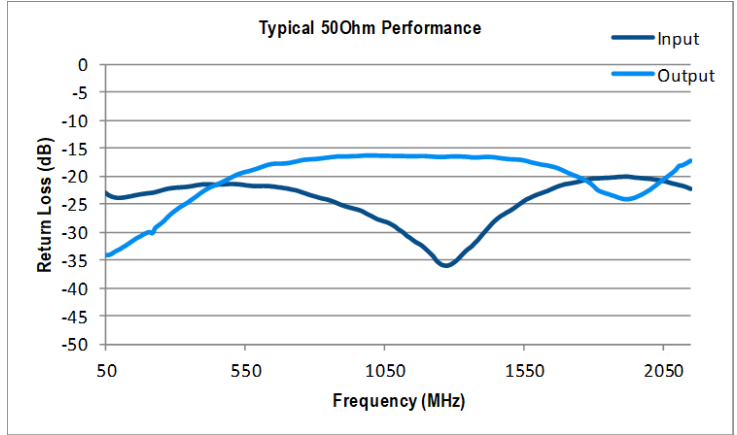
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Technical specifications and operating parameters



Gain (dB)



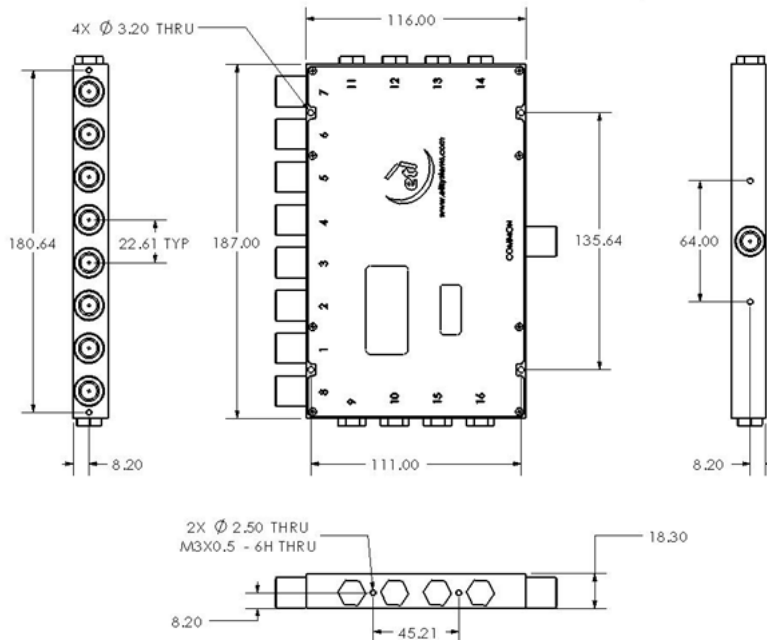
Return Loss (dB)

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	+21 dBm (125mW)
DC Voltage	35V on any RF port
DC Consumption	200mA Max, 160mA 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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