

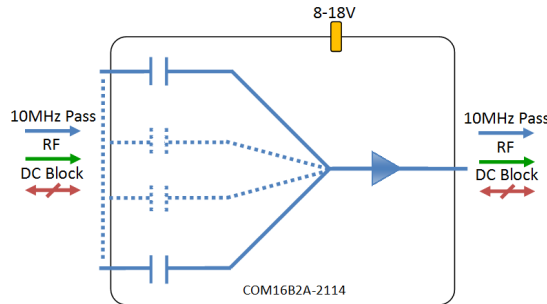


Model Number:
COM16B2A-2114

RF Components

16-Way Wideband Active Combiner

50 - 2150 MHz



- All ports 10MHz pass & DC blocked
- Requires external DC bias 8-18V.

Available with RF connector options:

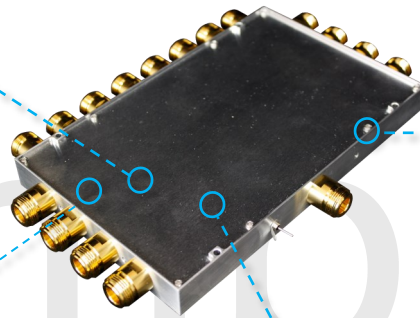
- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type

8-18V
External DC
powering

Compact
Housed in
rugged compact
enclosure

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

50-2150 MHz
Operating frequency
range.



RF Parameters						
COM16B2A-2114-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 ± 2.5	0 ± 2.5	
Flatness ± (dB)	1.5	1.8	2.0	2.2	2.5	
Input Return Loss (dB)	Typ.	16	16	14	12	10
	Min	12	12	10	8	8
Output Return Loss (dB)	Typ.	16	16	14	12	10
	Min	12	12	10	8	8
Output P1dB GCP** (dBm)	Typ.	16	16	16	16	16
	Min	12	12	12	12	12
Isolation (dB)	Typ.	20	20	20	20	20
Output IP3(dBm)	Typ.	26	26	26	26	26
Noise Figure (dB)	Typ.	31	31	31	31	31
Amplitude Balance (dB)		≤1.0	≤1.0	≤1.2	≤1.5	≤1.5

10MHz Insertion Loss is 0 ± 3dB*
 *To ports which are applicable
 **GCP (Gain Compression Point)

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



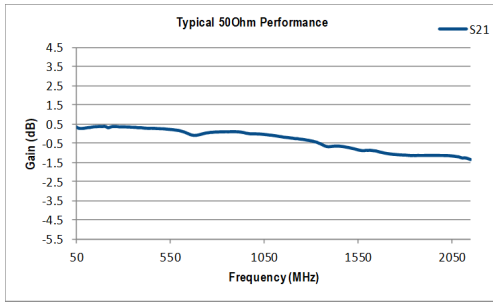


RF Components

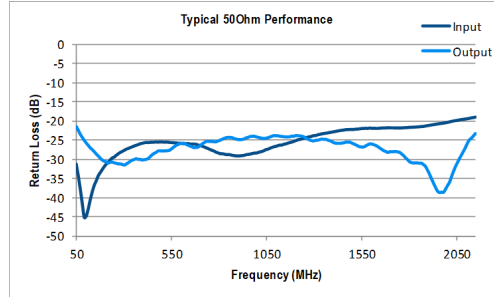
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16-Way Wideband Active Combiner

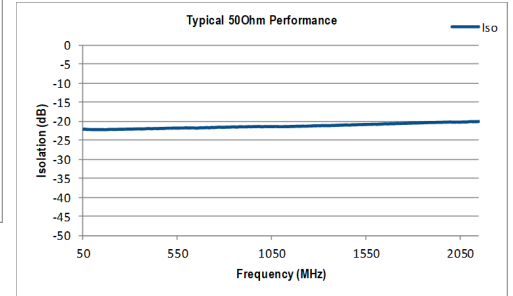
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



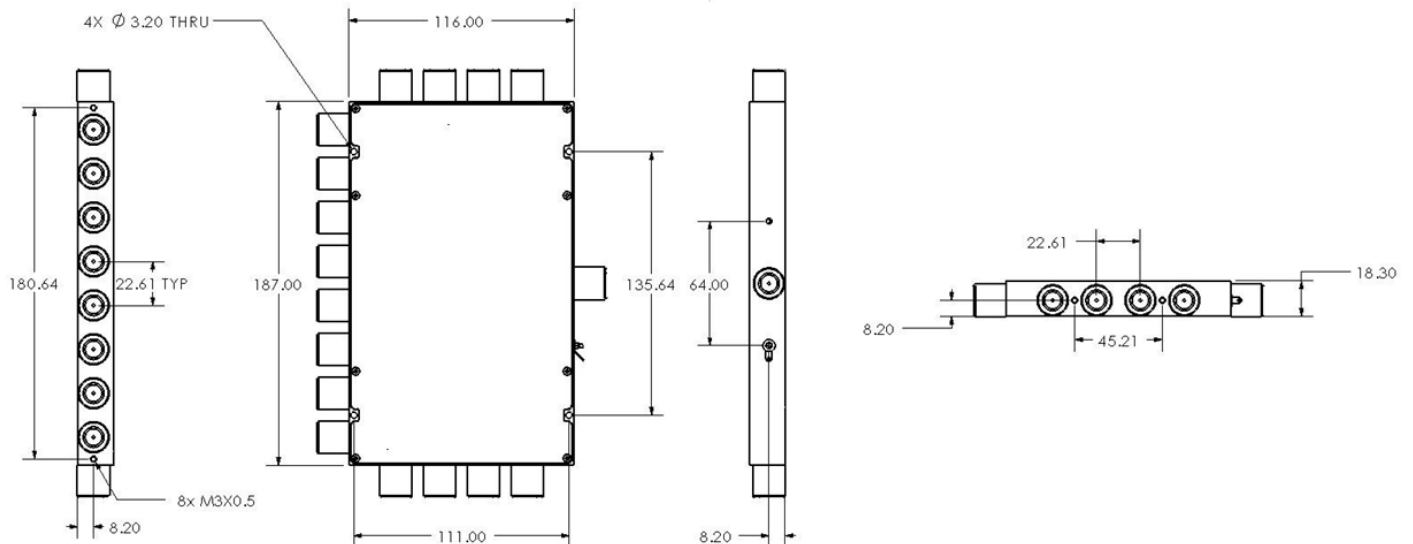
Isolation (dB)

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	+24 dBm (250mW)
DC Voltage	35V on any RF port
DC Consumption	300mA Max typical 240mA

! 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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