

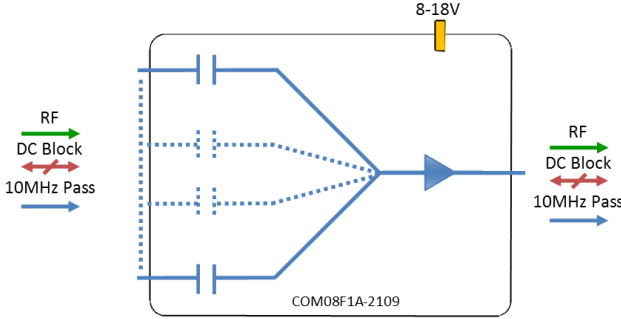


Model Number:
COM08F1A-2109

RF Components

8-Way IF-Band Active Combiner

80 - 2800 MHz



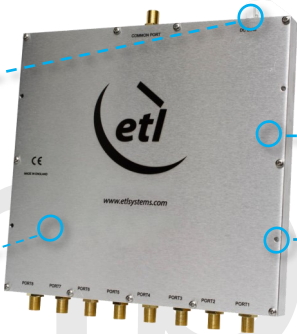
- All ports 10MHz pass & DC blocked.
 - Integral regulator
 - Requires 8-18V external DC bias
- Available with RF connector options:
- 50 Ω SMA
 - 50 Ω N-type
 - 50 Ω BNC

8-18V
External DC
powering

Compact
Housed in
rugged compact
enclosure

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

50-2800 MHz
Operating frequency
range.



RF Parameters				
COM08F1A-2109-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)		1.6	1.6	1.75
Input Return Loss (dB)	Typ.	16	15	14
	Min	12	12	10
Output Return Loss (dB)	Typ.	16	15	14
	Min	12	12	10
Output P1dB GCP** (dBm)	Typ.	5	5	5
	Min	2	2	2
Isolation (dB)		Typ. 17	17	17
Output IP3(dBm)		Typ. 15	15	15
Noise Figure (dB)		Typ. 12	12	12
Amplitude Balance (dB)		≤ 1.3	≤ 1.3	≤ 1.5

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

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





RF Components

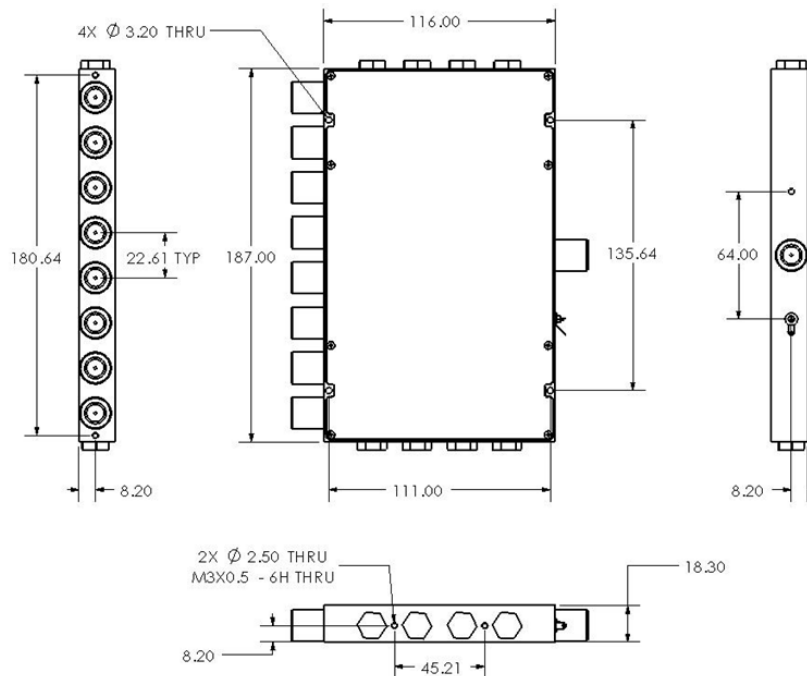
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8-Way IF-Band Active Combiner

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
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.

ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE

TELEPHONE
+44 (0)1981 259020

EMAIL
info@etlsystems.com

FACSIMILE
+44 (0)1981 259021

WEB
www.etlsystems.com

