

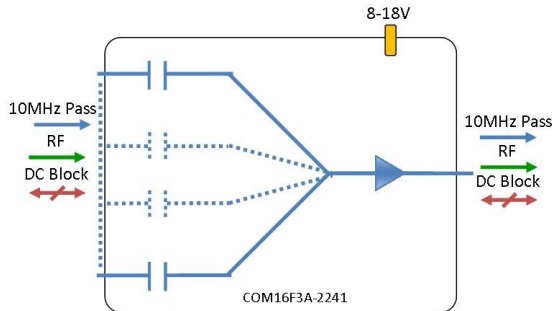


Model Number:
COM16F3A-2241

RF Components

16-Way IF-Band Active Combiner

20 - 200 MHz



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

Available with RF connector options:

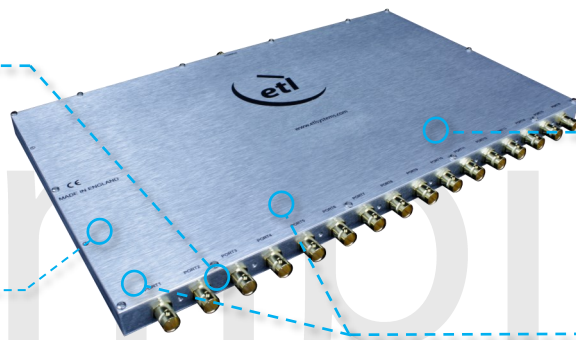
- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type

8-18V
External DC
powering

Compact
Housed in
rugged compact
enclosure

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

20 - 200 MHz
Operating frequency
range.



RF Parameters						
COM16F3A-2241-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	20 - 200 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Mean Gain (dB)	10 ± 0.50	10 ± 0.50	10 ± 0.60	10 ± 0.75	10 ± 0.75	
Flatness ± (dB)	0.6	0.6	1.0	1.1	1.1	
Input Return Loss (dB)	Typ.	25	25	20	15	15
	Min	15	15	12	8	8
Output Return Loss (dB)	Typ.	20	20	20	12	12
	Min	15	15	12	8	8
Output P1dB GCP** (dBm)	Typ.	11	11	11	11	11
	Min	9	9	9	9	9
Isolation (dB)	Typ.	25	25	25	25	25
Output IP3(dBm)	Typ.	22	22	22	22	22
Noise Figure (dB)	Typ.	18	18	18	18	18
Amplitude Balance (dB)		≤ 0.7	≤ 0.7	≤ 0.8	≤ 0.9	≤ 0.9
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)						

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

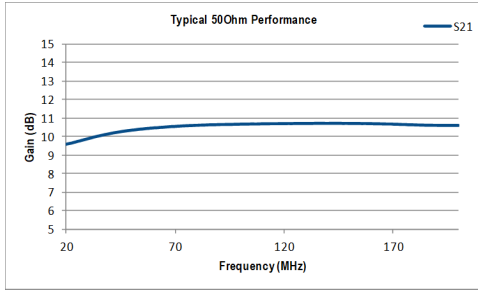




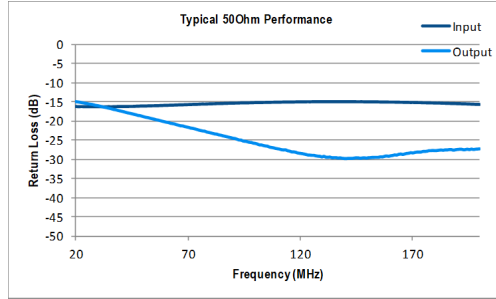
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16-Way IF-Band Active Combiner

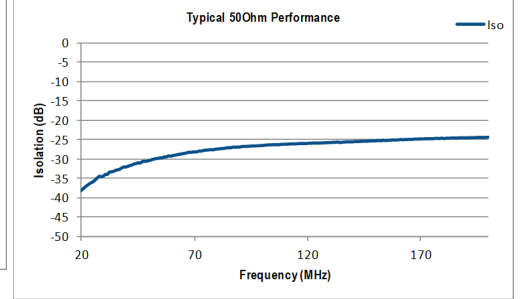
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



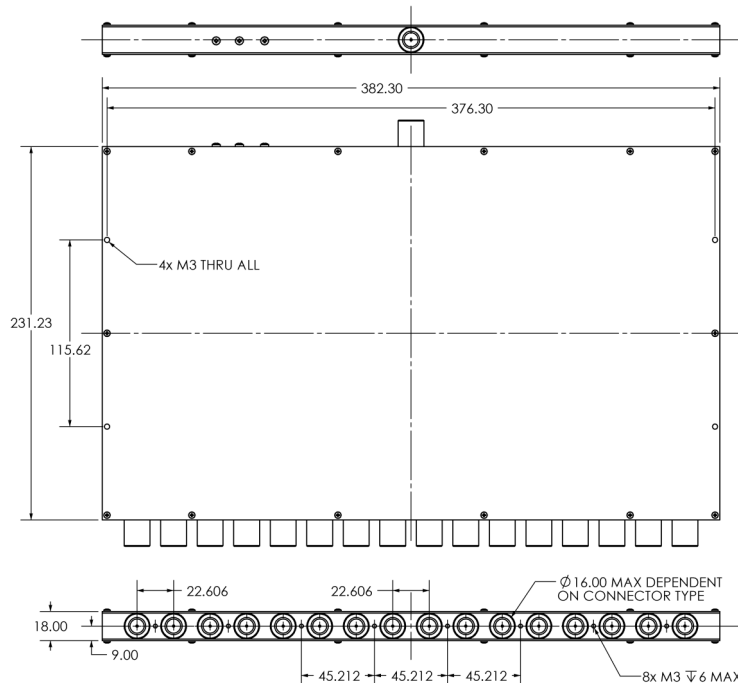
Isolation (dB)

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	5V on any RF port
DC Consumption	200mA Max typical 160mA

! 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

