

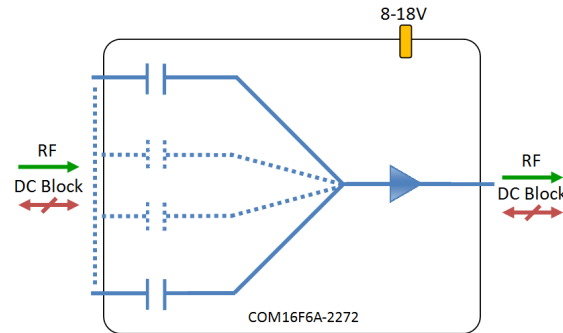


Model Number:  
**COM16F6A-2272**

RF Components

# 16-Way IF-Band Active Combiner

10 - 1000 MHz



- 10dB gain
- All ports DC blocked
- Requires 8-18V external DC bias

Available with RF connector options:

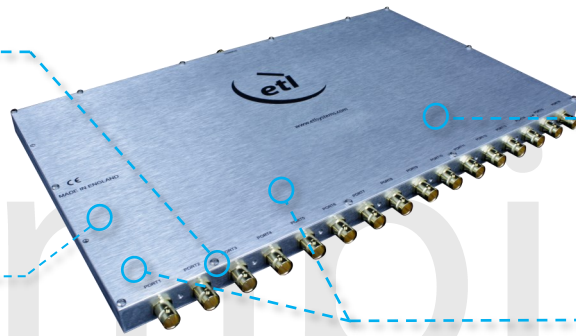
- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type

**8-18V**  
External DC  
powering

**Compact**  
Housed in  
rugged compact  
enclosure

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

**10 - 1000 MHz**  
Operating frequency  
range.



RF Parameters						
COM16F6A-2272-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	10 - 1000 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Mean Gain (dB)	10 ± 0.75	10 ± 0.75	10 ± 0.80	10 ± 1.0	10 ± 1.0	
Flatness ± (dB)	1.0	1.0	1.2	1.5	1.5	
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.	20	20	20	20	20
Output IP3(dBm)	Typ.	22	22	22	22	22
Noise Figure (dB)	Typ.	18	18	18	18	18
Amplitude Balance (dB)		≤1.4	≤1.4	≤1.4	≤1.4	≤1.4

\*GCP (Gain Compression Point)

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

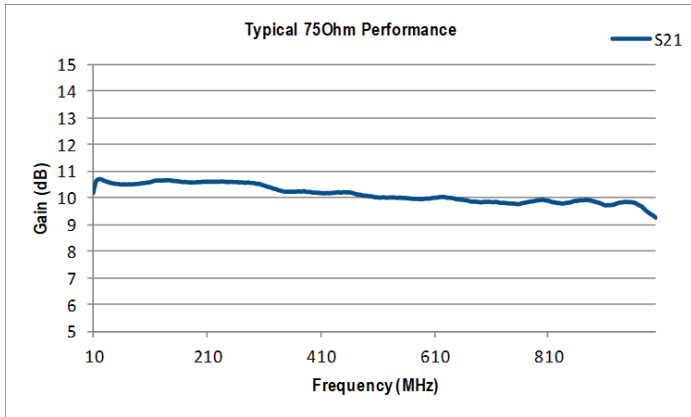




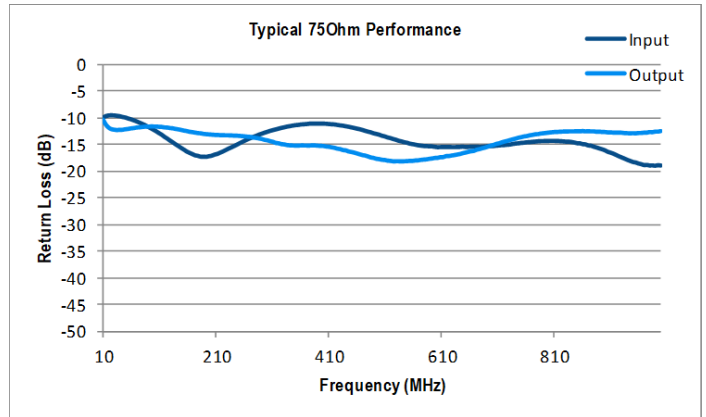
RF Components

Model Number:  
**COM16F6A-2272**  
16-Way IF-Band Active Combiner

Technical specifications and operating parameters



Gain (dB)



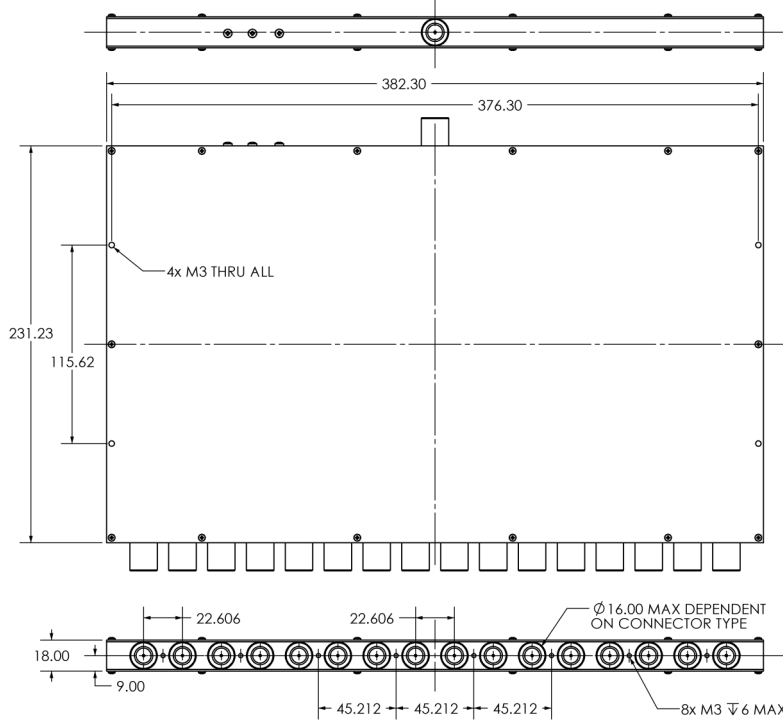
Return Loss (dB)

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	+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

