

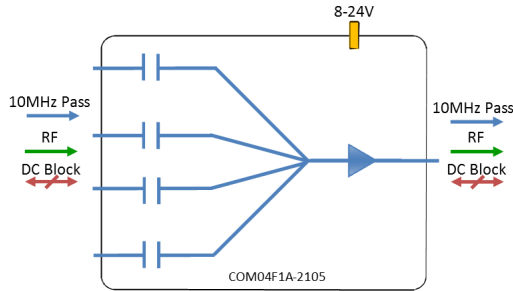


Model Number:
COM04F1A-2105

RF Components

4-Way Broadband Active Combiner

50 - 2800 MHz



- All ports 10MHz pass & DC blocked.
- Requires 8-24V external DC powering

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC

8-24V
External DC
powering

Compact
Housed in
rugged compact
enclosure

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

50-2800 MHz
Operating frequency
range. L-Band ready



| | | RF Parameters | | |
|--|------|---------------|------------|---------|
| COM04F1A-2105-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) | | 1.5 | 1.5 | 1.5 |
| 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. | 12 | 12 | 12 |
| | Min | 9 | 9 | 9 |
| Isolation (dB) | Typ. | 15 | 15 | 15 |
| Output IP3(dBm) | Typ. | 23 | 23 | 23 |
| Noise Figure (dB) | Typ. | 15 | 15 | 15 |
| 10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point) | | | | |

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

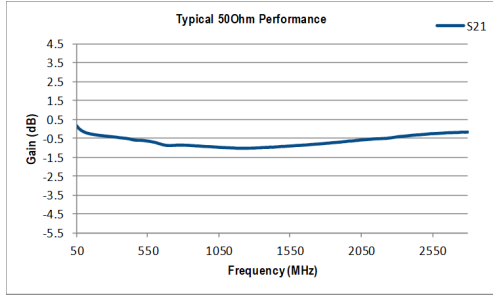




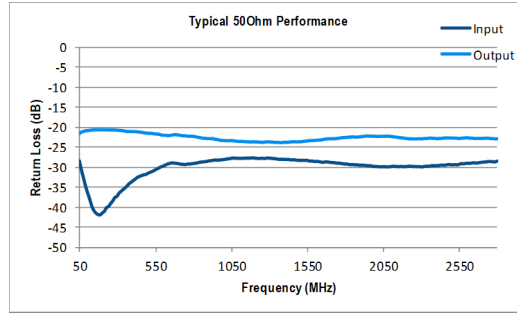
RF Components

Model Number:
COM04F1A-2105
4-Way Broadband Active Combiner

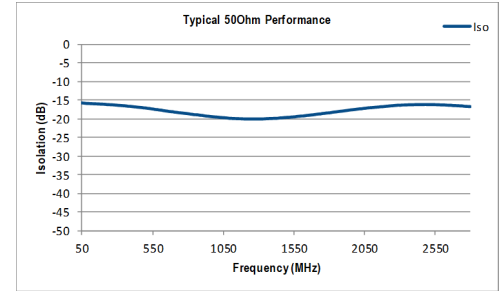
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



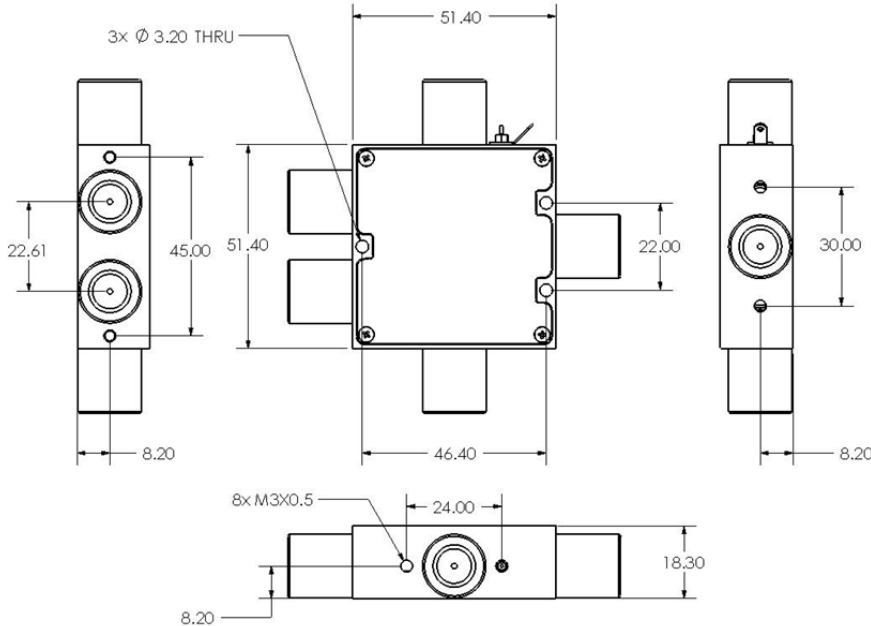
Isolation (dB)

| 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 | +28dBm |
| 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

