

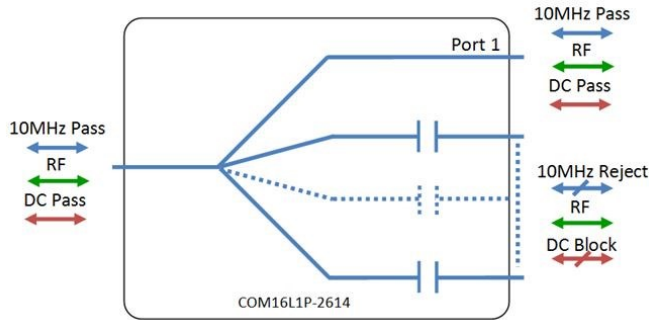


RF Components

Model Number:
COM16L1P-2614

16-Way L-Band Passive Splitter/Combiner

850 - 2150 MHz



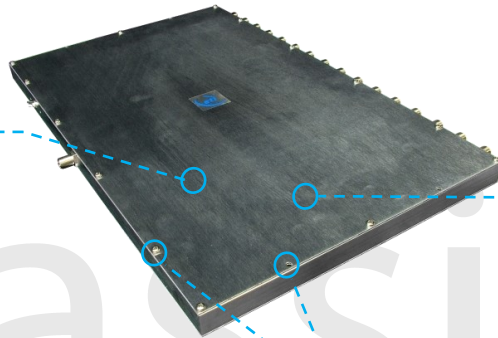
- Port 1 10MHz & DC pass
- All other RF ports 10MHz & DC blocked

Available with RF connector options:

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



850-2150 MHz
Operating frequency range. L-Band ready



Compact
Housed in rugged compact enclosure

Flexible Mounting
Tapped screw & through hole mounting options

Passive

| RF Parameters | | | | | | |
|--------------------------|--------------|------------|---------|---------|------------|-----|
| COM16L1P-2614-XXXX | S5S5 | N5N5 | B5B5 | B7B7 | F7F7 | |
| Frequency Range | 850-2150 MHz | | | | | |
| RF Connectors | 50Ω SMA | 50Ω N-Type | 50Ω BNC | 75Ω BNC | 75Ω F-Type | |
| Mean Insertion Loss (dB) | Typ. | 2.0 | 2.0 | 2.2 | 2.5 | 2.5 |
| | Max. | 2.5 | 2.5 | 2.8 | 3.0 | 3.0 |
| Flatness ± (dB) | 1.2 | 1.2 | 1.4 | 1.7 | 1.7 | |
| Input Return Loss (dB) | Typ. | 18 | 18 | 15 | 15 | 15 |
| | Min | 10 | 10 | 10 | 8 | 8 |
| Output Return Loss (dB) | Typ. | 22 | 22 | 20 | 15 | 15 |
| | Min | 15 | 15 | 12 | 10 | 10 |
| Isolation (dB) | Typ. | 25 | 25 | 25 | 25 | 25 |
| Amplitude Balance (dB) | ≤0.3 | ≤0.5 | ≤0.5 | ≤1.0 | ≤1.0 | |
| Phase Balance (Φ) | ≤3° | ≤4° | ≤4° | ≤10° | ≤10° | |

The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider
 10MHz Insertion Loss is up to 1dB above the theoretical loss*
 10MHz Rejection is 40dB*
 *To ports which are applicable

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



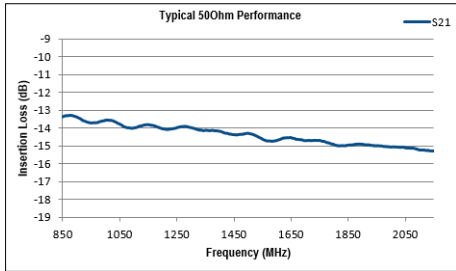


RF Components

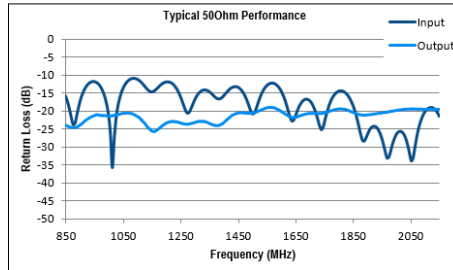
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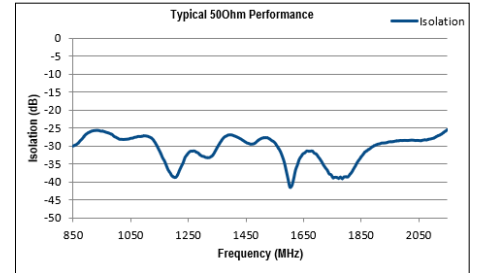
Technical specifications and operating parameters



Insertion Loss (dB)



Return Loss (dB)



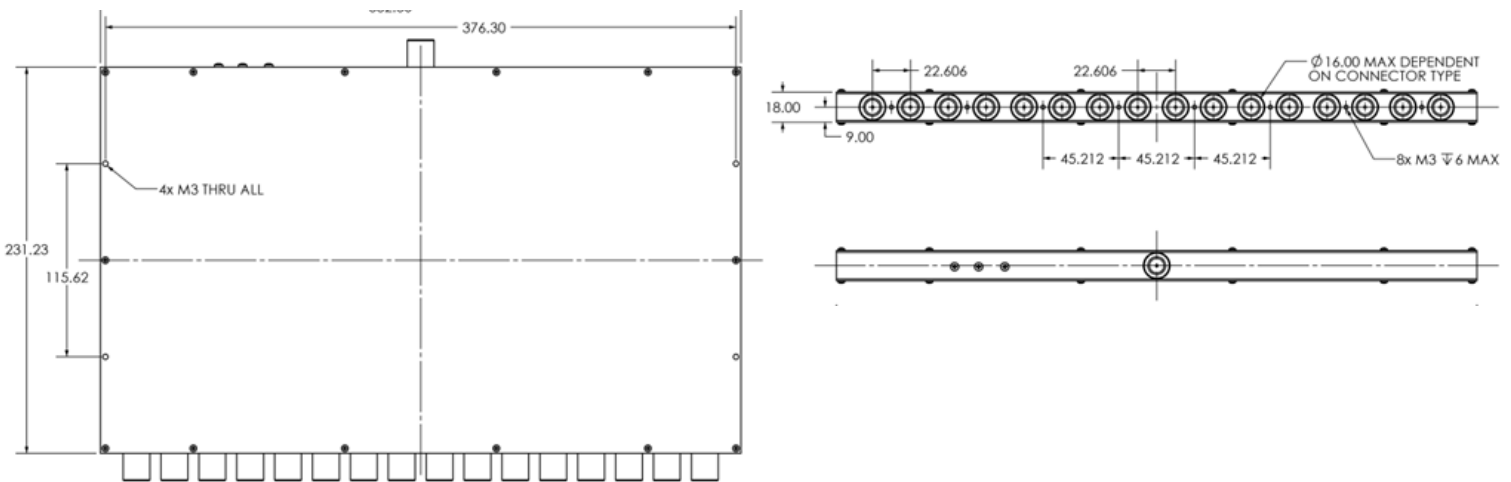
Isolation (dB)

| 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 (as splitter) | +37 dBm (5W) |
| Input RF Power (as combiner) | +33 dBm (2W) |
| DC Voltage | 50V on any RF port |
| DC Current | 500mA |

! 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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