

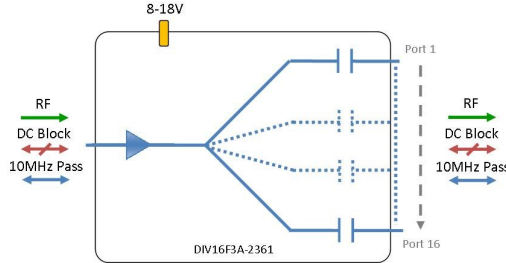


Model Number:  
**DIV16F3A-2361**

RF Components

# 16-way IF Active Splitter

## 20-200 MHz



- 10MHz pass and DC block on all ports
- Requires external DC bias
- Unity gain

Available with RF connector options:

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



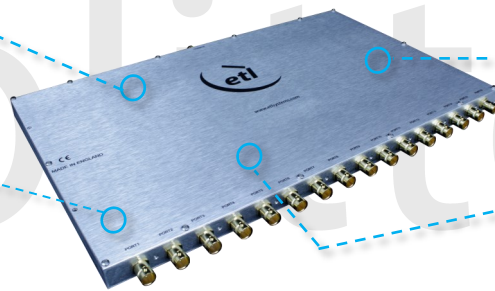
**8-18V**

External DC powering



**20-200 MHz**

Operating frequency range.



**Compact**

Housed in rugged compact enclosure



**Flexible Mounting**

Tapped screw & through hole mounting options

| RF Parameters           |            |            |         |         |            |
|-------------------------|------------|------------|---------|---------|------------|
| DIV16F3A-2361-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)          | 0 ± 1.0    | 0 ± 1.0    | 0 ± 1.0 | 0 ± 1.5 | 0 ± 1.5    |
| Flatness ± (dB)         | 0.75       | 0.75       | 0.75    | 1.0     | 1.0        |
| Input Return Loss (dB)  | Typ.       | 20         | 20      | 16      | 12         |
|                         | Min        | 16         | 16      | 14      | 8          |
| Output Return Loss (dB) | Typ.       | 20         | 20      | 16      | 12         |
|                         | Min        | 16         | 16      | 14      | 8          |
| Output P1dB GCP* (dBm)  | Typ.       | 7          | 7       | 7       | 7          |
|                         | Min        | 5          | 5       | 5       | 5          |
| Isolation (dB)          | Typ.       | 25         | 25      | 25      | 25         |
| Output IP3 (dBm)        | Typ.       | 17         | 17      | 17      | 17         |
| Noise Figure (dB)       | Typ.       | 11         | 11      | 11      | 11         |
| Amplitude Balance (dB)  | ≤0.6       | ≤0.6       | ≤0.7    | ≤0.8    | ≤0.8       |
| Phase Balance (Φ)       | ≤5°        | ≤5°        | ≤5°     | ≤5°     | ≤5°        |

10MHz Insertion loss is 0 ± 3dB  
\*GCP (Gain Compression Point)

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

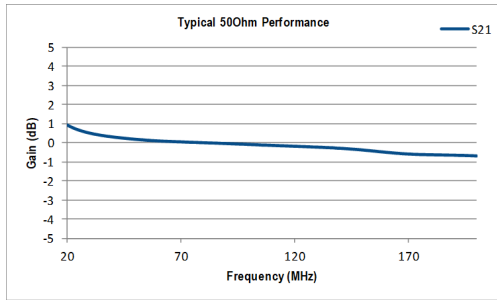




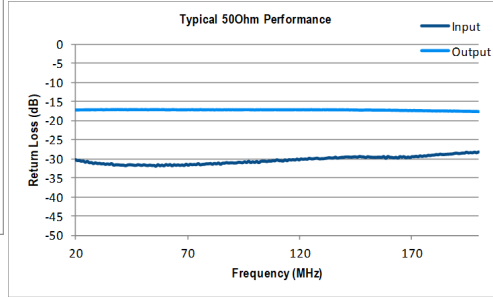
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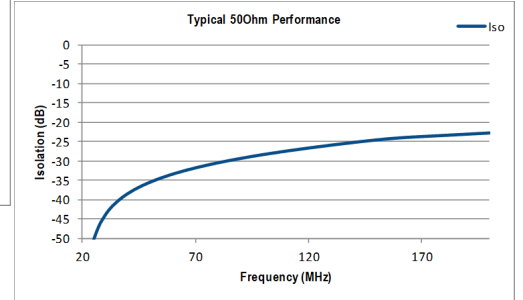
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



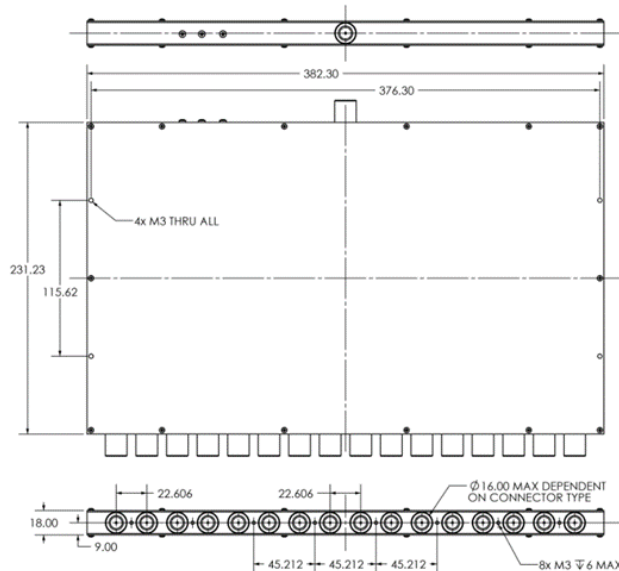
Isolation (dB)

| Environmental         |     |                    |
|-----------------------|-----|--------------------|
| Operating Temperature |     | 0°C to +50°C       |
| Storage Temperature   |     | -20°C to +80°C     |
| Location              |     | Indoor use Only    |
| Humidity              | Max | 85% non-condensing |
| Altitude              | Max | 10,000 feet        |

| Max Operating Parameters |                              |
|--------------------------|------------------------------|
| Input RF Power           | 18dBm                        |
| DC Voltage               | 24V                          |
| DC Consumption           | 200mA maximum, 160mA typical |

**!** 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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