

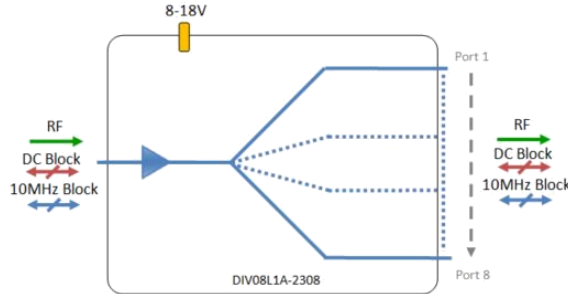


Model Number:  
**DIV08L1A-2308**

RF Components

# 8-way L-band Active Splitter

## 850 - 2150 MHz



- DC & 10MHz block on all ports
- Unity gain
- Requires 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

### Compact

Housed in rugged compact enclosure

### Flexible Mounting

Tapped screw & through hole mounting options

**8-18V**  
External DC powering

**850-2150 MHz**  
Operating frequency range.



| RF Parameters  |      |              |            |         |         |            |
|--|------|--------------|------------|---------|---------|------------|
| DIV08L1A-2308-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 Gain (dB)   |      | 0± 2         | 0± 2       | 0± 2    | 0± 2.2  | 0± 2.5     |
| Flatness ± (dB)  |      | 0.5          | 0.6        | 0.7     | 0.8     | 1.0        |
| Input Return Loss (dB)   | Typ. | 18           | 18         | 16      | 15      | 12         |
|  | Min  | 15           | 14         | 13      | 10      | 8          |
| Output Return Loss (dB)  | Typ. | 18           | 18         | 16      | 15      | 12         |
|  | Min  | 15           | 14         | 13      | 10      | 8          |
| Output P1dB GCP** (dBm)  | Typ. | 5            | 5          | 5       | 5       | 5          |
|  | Min  | 2            | 2          | 2       | 2       | 2          |
| Isolation (dB)   | Typ. | 25           | 25         | 25      | 25      | 25         |
| Output IP3 (dBm)   | Typ. | 12           | 12         | 12      | 12      | 12         |
| Noise Figure (dB)  | Typ. | 6            | 6          | 6       | 6       | 6          |
| Amplitude Balance (dB)   |      | ≤ 0.4        | ≤ 0.4      | ≤ 0.4   | ≤ 0.4   | ≤ 0.4      |
| Phase Balance (Φ)  |      | ≤ 5°         | ≤ 5°       | ≤ 5°    | ≤ 5°    | ≤ 5°       |
| 10MHz Rejection is 20dB*<br>*To ports which are applicable<br>**GCP (Gain Compression Point) |      |              |            |         |         |            |

### Broadcast



### Marine Oil & Gas



### SNG & VSAT



### Satellite Teleport

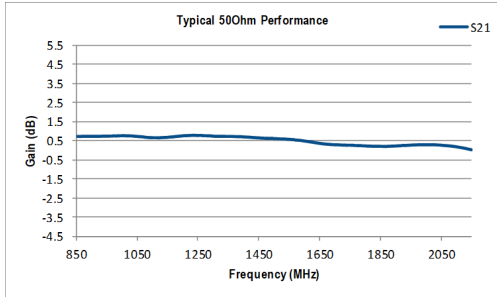




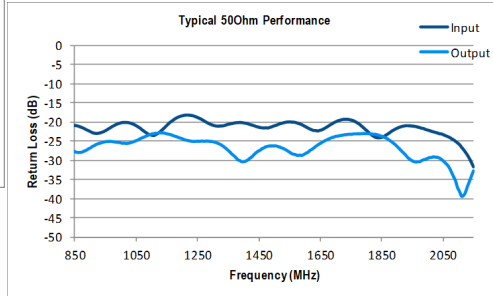
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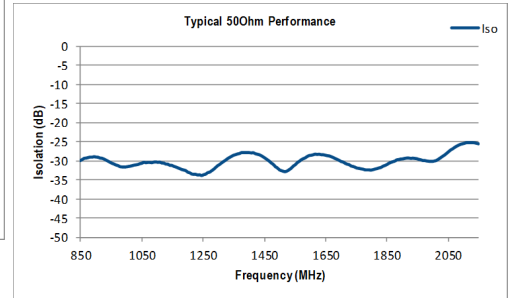
**Technical specifications and operating parameters**



Gain (dB)



Return Loss (dB)



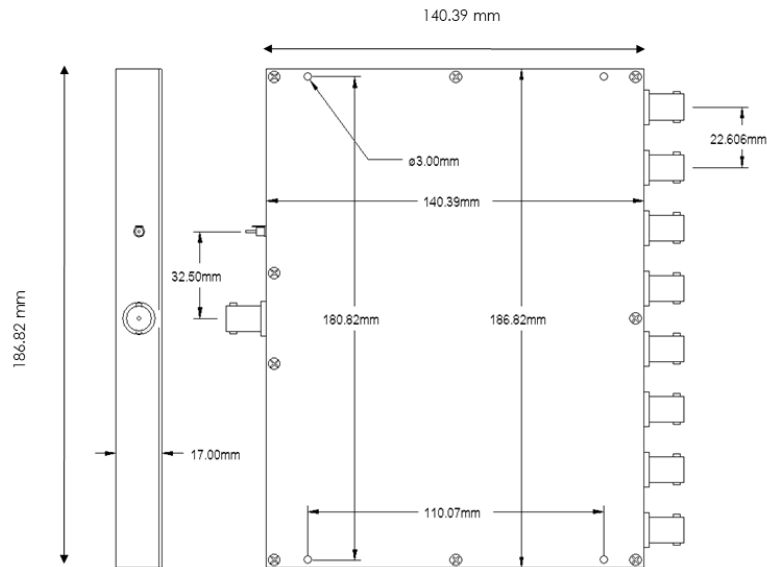
Isolation (dB)

| Environmental         |                        |
|-----------------------|------------------------|
| Operating Temperature | 0°C to +50°C           |
| Storage Temperature   | -40°C to +85°C         |
| Location              | Indoor use Only        |
| Humidity              | Max 80% non-condensing |
| Altitude              | Max 10,000 feet        |

| Max Operating Parameters |       |
|--------------------------|-------|
| Input RF Power           | 16dBm |
| DC Voltage               | 48V   |
| DC Current               | Max   |
| DC Consumption           |       |

**!** 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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