



RF Components

# 4-way L-band Active Splitter

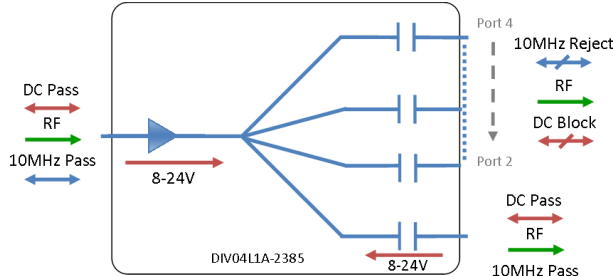
## 850-2150 MHz

Model Number:  
**DIV04L1A-2385**

- Common port to port-1 is DC linked with 10MHz pass
- All other ports are DC & 10MHz blocked.
- Unity gain
- Requires 8 to 24V DC injection on the common port or port-1 to power the unit

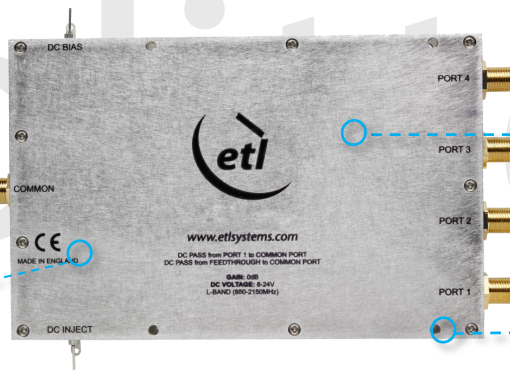
Available with RF connector options:

- 50  $\Omega$  SMA
- 50  $\Omega$  N-type
- 50  $\Omega$  BNC
- 75  $\Omega$  BNC
- 75  $\Omega$  F-type



**8-24V**  
Injected DC  
powering

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



**Compact**

Housed in  
rugged compact  
enclosure

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

RF Parameters					
DIV04L1A-2385-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	0 ± 2
Flatness ± (dB)	± 0.5	± 0.5	± 0.5	± 0.7	± 1.0
Input Return Loss (dB)	Typ.	18	18	15	12
	Min	15	14	10	8
Output Return Loss (dB)	Typ.	18	18	15	12
	Min	15	15	10	8
Output P1dB GCP** (dBm)	Typ.	5	5	5	5
	Min	2	2	2	2
Isolation (dB)	Typ.	23	23	23	23
Output IP3 (dBm)	Typ.	15	15	15	15
Noise Figure (dB)	Typ.	8	8	8	8
Amplitude Balance (dB)	≤ 0.8	≤ 0.8	≤ 0.8	≤ 0.8	≤ 0.8
Phase Balance (Φ)	≤ 5°	≤ 5°	≤ 5°	≤ 5°	≤ 5°
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)					

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

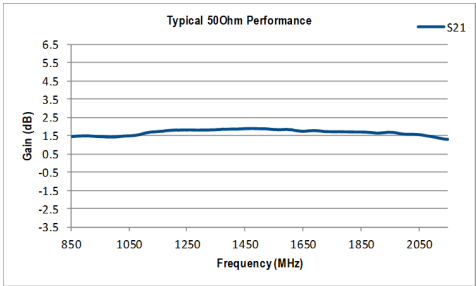




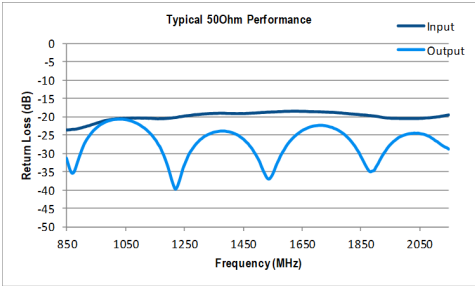
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Model Number:  
**DIV04L1A-2385**  
4-way L-band Active Splitter

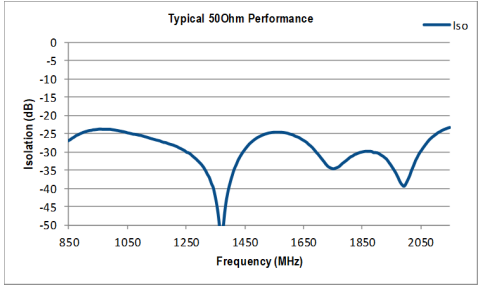
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



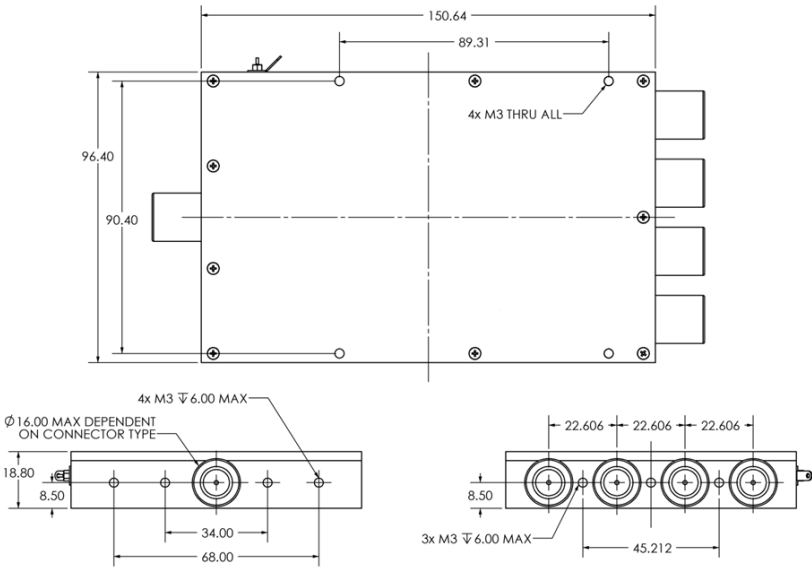
Isolation (dB)

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		+16 dBm (40mW)
DC Voltage		35V on any RF port
DC Current	Max	500mA
DC Consumption		100mA Max, 80mA 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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