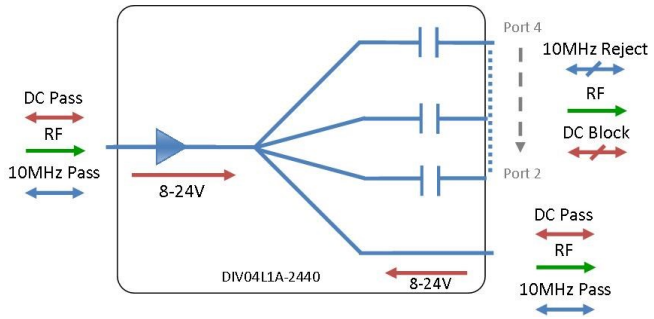
RF Components

Model Number:
DIV04L1A-2440

4-way L-band Active Splitter

850-2150 MHz



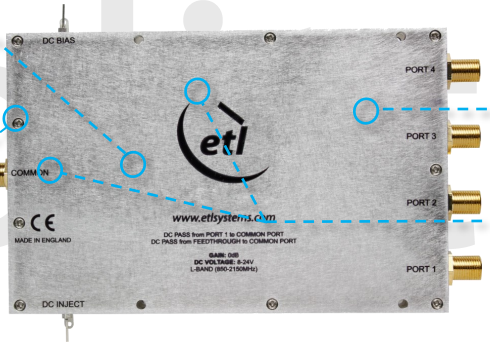
- 10MHz/DC pass on port 1 only
- Unity gain
- Requires 8-24V inline DC bias on port-1 or the common port

Available with RF connector options:

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

8-24V
External 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-2440-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±1.0	0±1.0	0±1.2	0±1.5	0±1.5
Flatness ± (dB)		0.5	0.5	0.5	1.2	1.2
Input Return Loss (dB)	Typ.	16	15	15	12	12
	Min	12	12	10	8	8
Output Return Loss (dB)	Typ.	18	18	15	12	12
	Min	12	12	10	8	8
Output P1dB GCP** (dBm)	Typ.	5	5	5	5	5
	Min	2	2	2	2	2
Isolation (dB)	Typ.	16	16	16	16	16
Output IP3 (dBm)	Typ.	13	13	13	13	13
Noise Figure (dB)	Typ.	9	9	9	9	9

10MHz Insertion loss is 0±3dB
10MHz Rejection is 60dB*
*To ports which are applicable
**GCP (Gain Compression Point)

Broadcast

Marine Oil & Gas

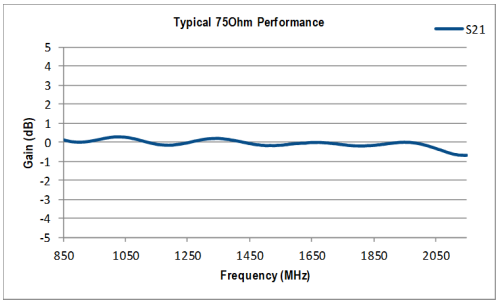
SNG & VSAT

Satellite Teleport

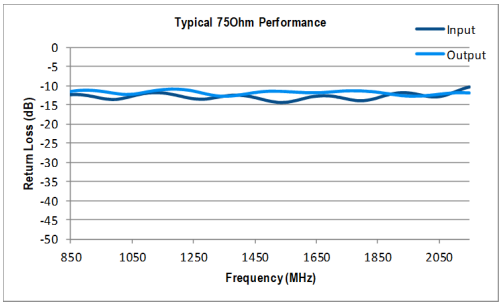
RF Components

Model Number:
DIV04L1A-2440
4-way L-band Active Splitter

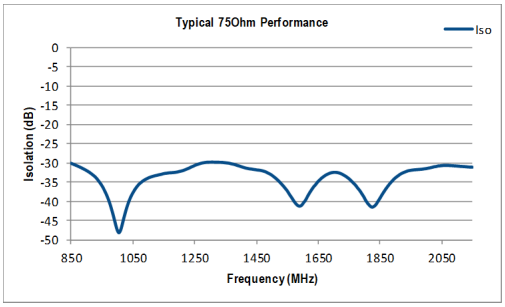
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



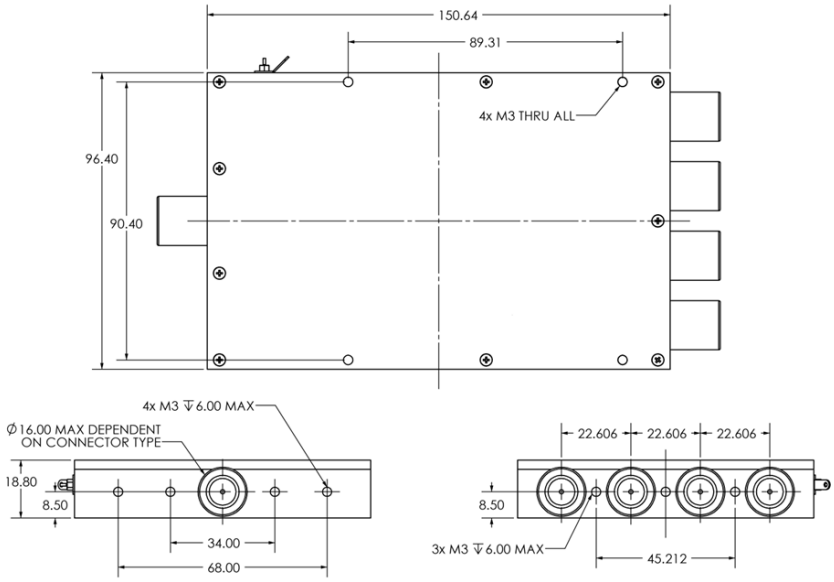
Isolation (dB)

Environmental		
Operating Temperature		0˚C to +60˚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		+21 dBm (125mW)
DC Voltage		35V on any RF port
DC Current	Max	@ 21°C 3A Max @ 60°C 2A Max
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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