

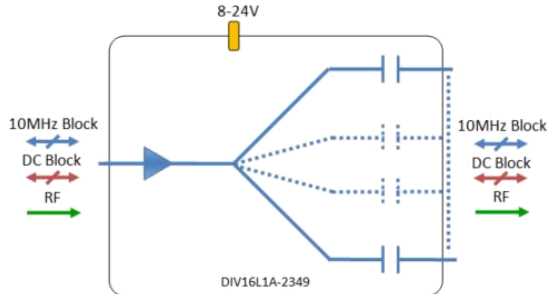


Model Number:  
**DIV16L1A-2349**

RF Components

# 16-way L-band Active Splitter

## 850-2150 MHz



- DC & 10MHz block on all ports
- Requires 8-24V external DC bias
- Unity gain

Available with RF connector options:

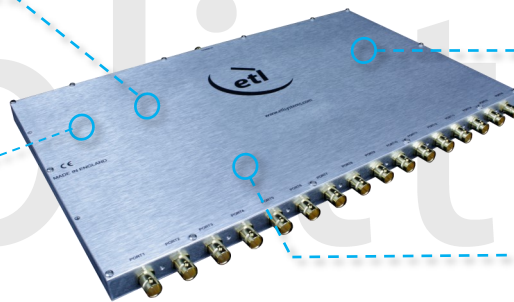
- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type

**8-24V**  
External DC  
powering

**Compact**  
Housed in  
rugged compact  
enclosure

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

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



RF Parameters						
DIV16L1A-2349		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)		1.0	1.0	1.2	1.5	1.5
Input Return Loss (dB)	Typ.	14	14	12	10	10
	Min	12	12	10	8	8
Output Return Loss (dB)	Typ.	14	14	12	10	10
	Min	12	12	10	8	8
Output P1dB GCP* (dBm)	Typ.	2	2	2	2	2
	Min	0	0	0	0	0
Isolation (dB)	Typ.	25	25	25	25	25
Output IP3 (dBm)	Typ.	12	12	12	12	12
Noise Figure (dB)	Typ.	10	10	10	10	10
Amplitude Balance (dB)		≤0.4	≤0.4	≤0.5	≤0.6	≤0.6
Phase Balance (Φ)		≤5°	≤5°	≤5°	≤5°	≤5°

\*GCP (Gain Compression Point)

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**



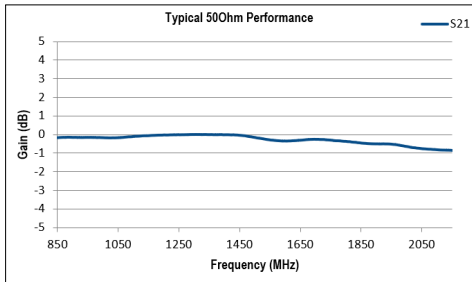


RF Components

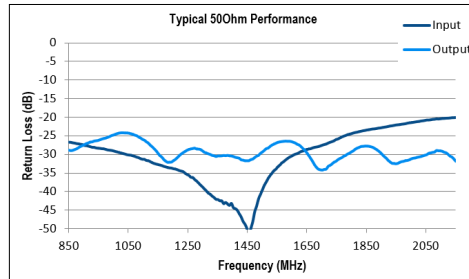
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**DIV16L1A-2349**

16-way L-band Active Splitter

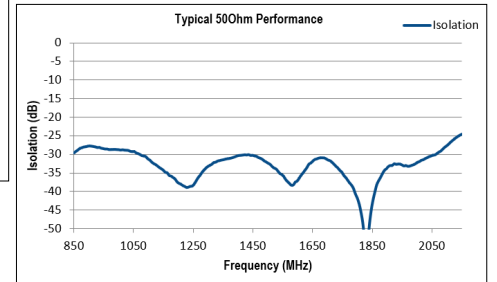
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



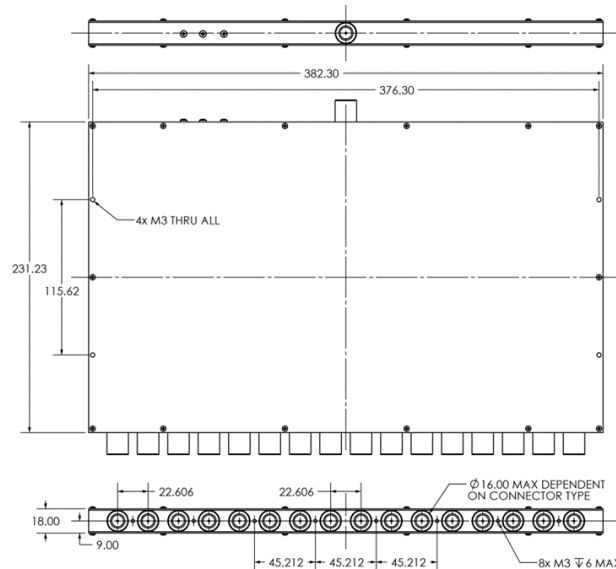
Isolation (dB)

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	20dBm
DC Voltage	24V
DC Consumption	200mA max, 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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