

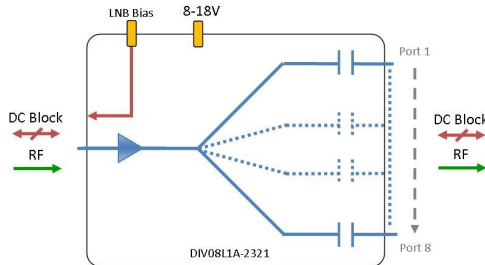


Model Number:  
**DIV08L1A-2321**

RF Components

# 8-way L-band Active Splitter

## 850-2150 MHz



- Requires external DC bias
- LNB 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

**Compact**  
Housed in  
rugged compact  
enclosure

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

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



RF Parameters						
DIV08L1A-2321-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	0.5	0.5	0.7	1.0
Input Return Loss (dB)	Typ.	18	18	16	15	12
	Min	12	12	10	10	8
Output Return Loss (dB)	Typ.	18	18	16	15	12
	Min	12	12	10	10	8
Output P1dB GCP** (dBm)	Typ.	3	3	2	2	2
	Min	0	0	0	0	0
Isolation (dB)	Typ.	25	25	25	25	25
Output IP3 (dBm)	Typ.	10	10	10	10	10
Noise Figure (dB)	Typ.	5	5	6	6	6
Amplitude Balance (dB)		≤0.3	≤0.3	≤0.3	≤0.4	≤0.4
Phase Balance (Φ)		≤5°	≤5°	≤5°	≤5°	≤5°

\*\*GCP (Gain Compression Point)

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**

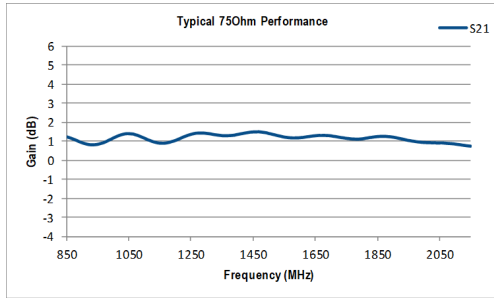




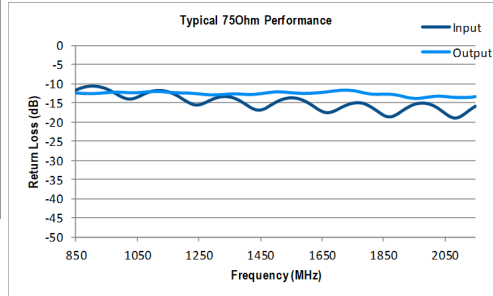
RF Components

Model Number:  
**DIV08L1A-2321**  
8-way L-band Active Splitter

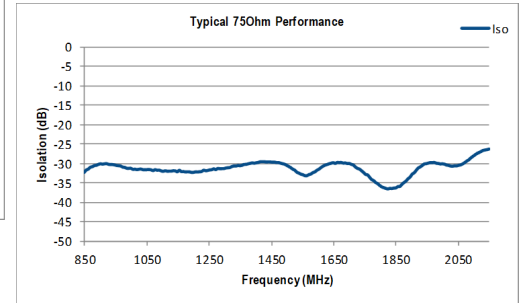
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



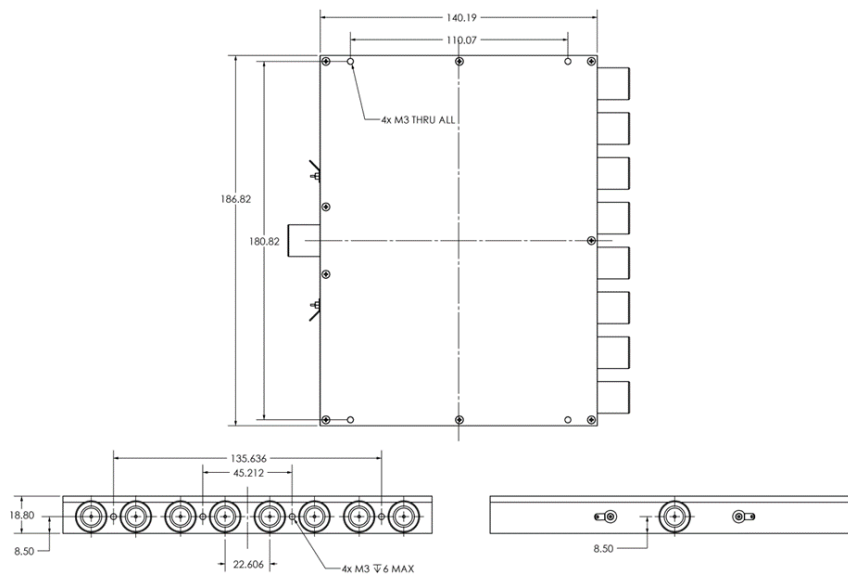
Isolation (dB)

Environmental		
Operating Temperature		0°C to +50°C
Storage Temperature		-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		20V
DC Current	Max	500mA
DC Consumption		Maximum 200mA, typically 160mA

**!** 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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