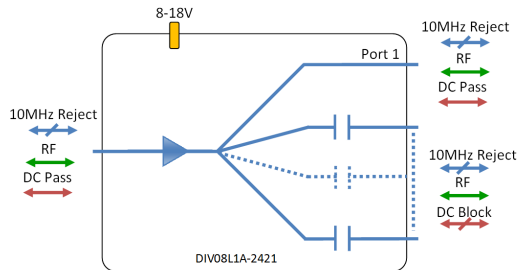




RF Components

# 8-way L-band Active Splitter

## 850-2150 MHz



Model Number:  
**DIV08L1A-2421**

- Unity gain, flat frequency response with DC pass between port-1 and the common port
- All other ports are DC and 10MHz blocked
- Port 1 is 10MHz blocked
- Requires 8-18 volts External bias

Available with RF connector options:

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



**8-18V**  
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					
DIV08L1A-2421	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	850-2150 MHz				
RF Connectors	50 $\Omega$ SMA	50 $\Omega$ N-Type	50 $\Omega$ BNC	75 $\Omega$ BNC	75 $\Omega$ F-Type
Mean Gain (dB)	0 $\pm$ 0.50	0 $\pm$ 0.50	0 $\pm$ 0.75	0 $\pm$ 1.0	0 $\pm$ 1.0
Flatness $\pm$ (dB)	0.6	0.6	0.6	0.7	1.0
Input Return Loss (dB)	Typ.	18	18	16	15
	Min	12	12	10	10
Output Return Loss (dB)	Typ.	18	18	16	15
	Min	12	12	10	10
Output P1dB GCP** (dBm)	Typ.	0	0	0	0
	Min	-2	-2	-2	-2
Isolation (dB)	Typ.	25	25	25	25
Output IP3 (dBm)	Typ.	10	10	10	10
Noise Figure (dB)	Typ.	5	5	6	6
10MHz Rejection is 25dB* *To ports which are applicable **GCP (Gain Compression Point)					

### Broadcast



### Marine Oil & Gas



### SNG & VSAT



### Satellite Teleport

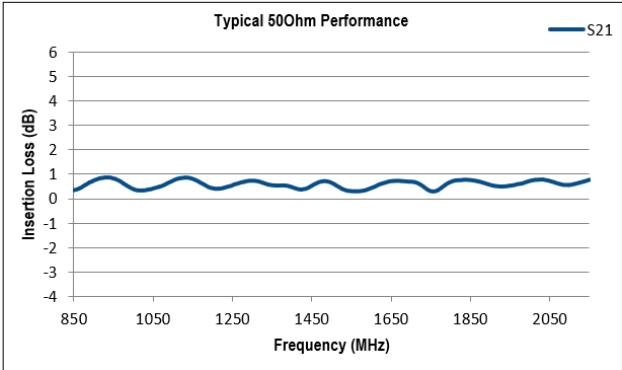




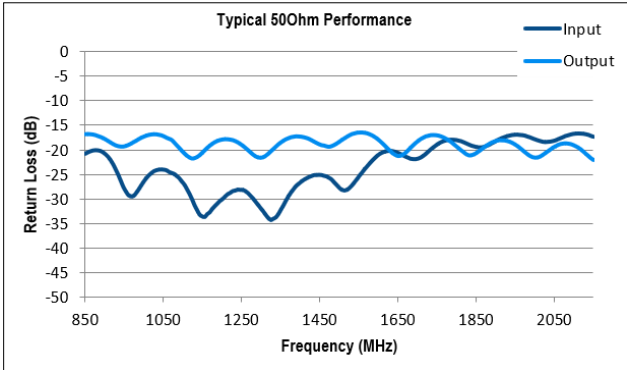
RF Components

Model Number:  
**DIV08L1A-2421**  
*8-way L-band Active Splitter*

Technical specifications and operating parameters



Gain (dB)



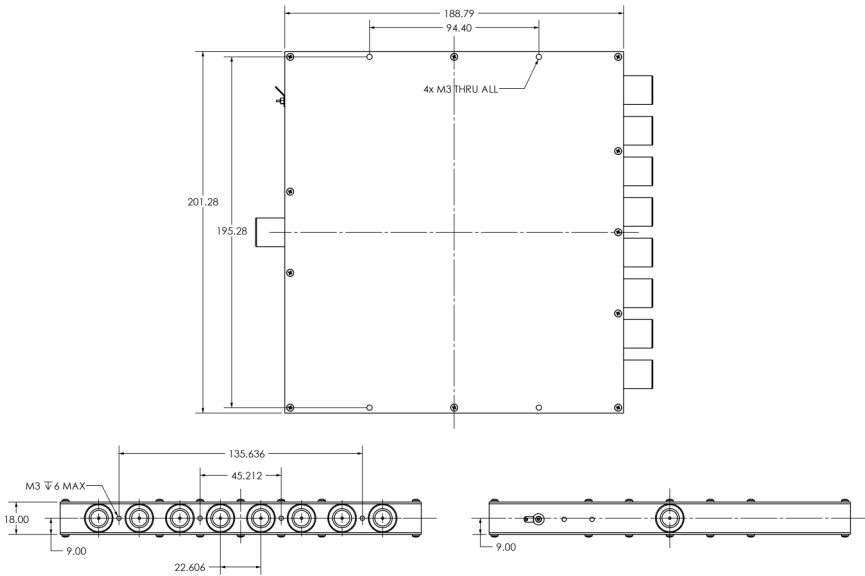
Return Loss (dB)

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		24V on any RF port
DC Current	Max	500mA on any RF port with polyfuse
DC Consumption		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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