

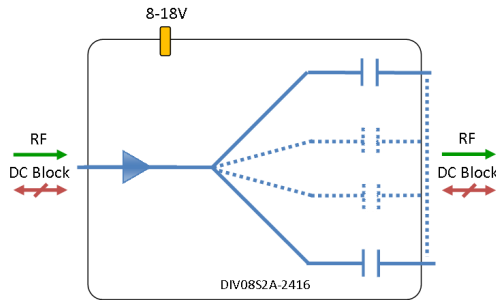


RF Components

# 8-way S-band Active Splitter

## 850-2500 MHz

Model Number:  
**DIV08S2A-2416**



- DC block on all ports
- Unity gain
- Requires 8-18V external DC bias

Available with RF connector options:

- 50  $\Omega$  SMA
- 50  $\Omega$  N-type

**8-18V**  
External DC  
powering

**Compact**  
Housed in  
rugged compact  
enclosure

**850-2500 MHz**  
Operating frequency  
range.



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

RF Parameters		
DIV08S2A-2416-XXXX	S5S5	N5N5
Frequency Range	850-2500MHz	
RF Connectors	50 $\Omega$ SMA	50 $\Omega$ N-Type
Mean Gain (dB)	0 $\pm$ 2	0 $\pm$ 2
Flatness $\pm$ (dB)	0.8	0.8
Input Return Loss (dB)	Typ.	18
	Min	13
Output Return Loss (dB)	Typ.	20
	Min	16
Output P1dB GCP* (dBm)	Typ.	2
	Min	0
Isolation (dB)	Typ.	16
Output IP3 (dBm)	Typ.	13
Noise Figure (dB)	Typ.	6
Amplitude Balance (dB)	$\leq$ 0.5	$\leq$ 0.5
Phase Balance ( $\Phi$ )	$\leq$ 5 $^\circ$	$\leq$ 5 $^\circ$
*GCP (Gain Compression Point)		

### Broadcast



### Marine Oil & Gas



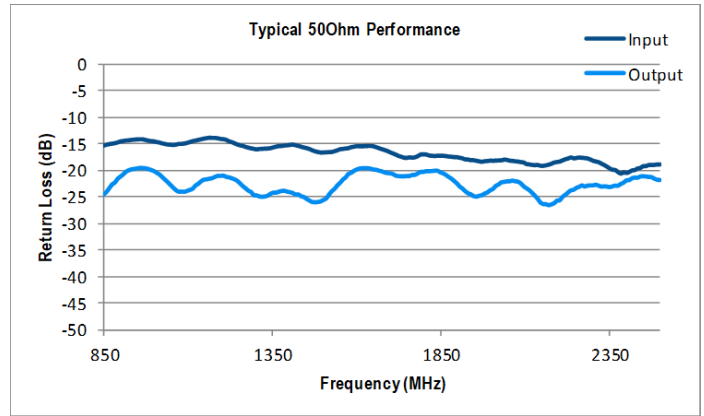
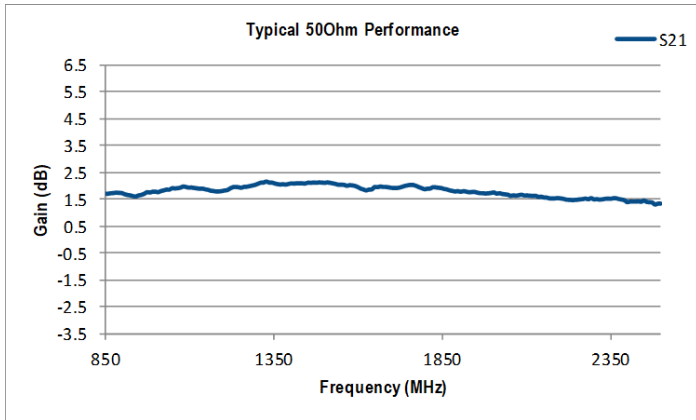
### SNG & VSAT



### Satellite Teleport



Technical specifications and operating parameters

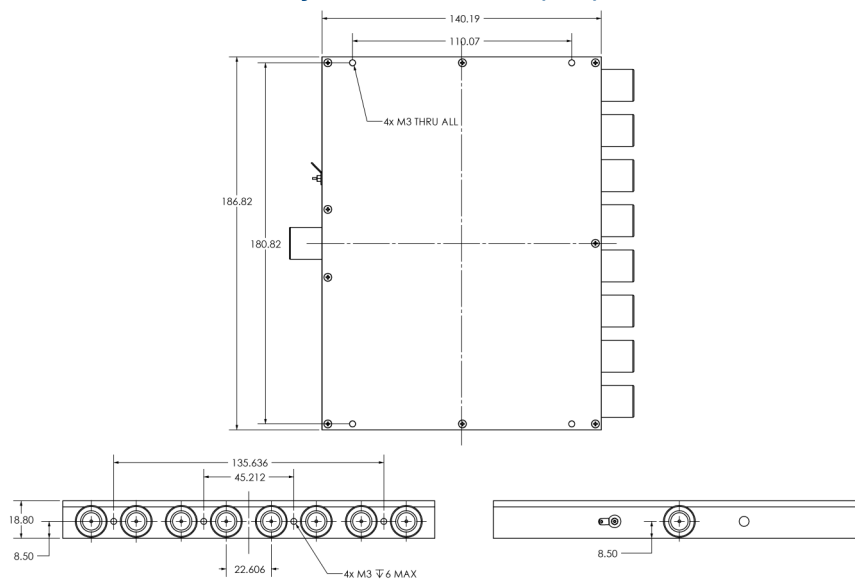


Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+21 dBm (125mW)
DC Voltage	35V on any RF port
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.