



RF Components

Model Number:
DIV06F1A-2407

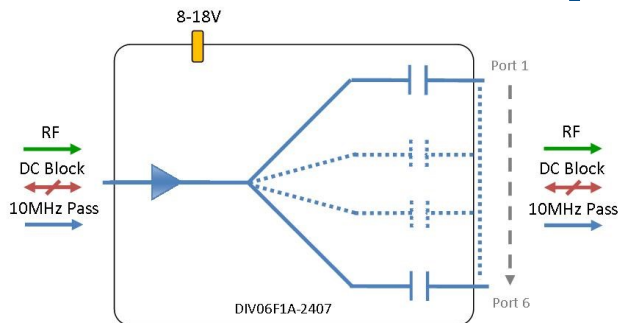
6-way IF to S band Active Splitter

50-2800 MHz

- Passes 10MHz
- Integral regulator
- Requires a DC voltage
- All RF ports are DC blocked

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC



8-18V
External DC
powering

Compact
Housed in
rugged compact
enclosure

50-2800 MHz
Operating frequency
range.

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



RF Parameters			
DIV06F1A-2407-XXXX	S5S5	N5N5	B5B5
Frequency Range	50-2800 MHz		
RF Connectors	50 Ω SMA	50 Ω N-Type	50 Ω BNC
Mean Gain (dB)	0 $\pm$ 2	0 $\pm$ 2	0 $\pm$ 2
Flatness $\pm$ (dB)	1.4	1.6	1.8
Input Return Loss (dB)	Typ. 16	16	14
	Min 12	12	10
Output Return Loss (dB)	Typ. 20	20	14
	Min 18	18	10
Output P1dB GCP** (dBm)	Typ. 5	5	5
	Min 2	2	2
Isolation (dB)	Typ. 20	20	20
Output IP3 (dBm)	Typ. 12	12	12
Noise Figure (dB)	Typ. 10	10	10
Amplitude Balance (dB)	$\leq$ 1.5	$\leq$ 1.5	$\leq$ 1.5
Phase Balance (Φ)	$\leq$ 5°	$\leq$ 5°	$\leq$ 5°
10MHz Rejection is 20dB* *To ports which are applicable **GCP (Gain Compression Point)			

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



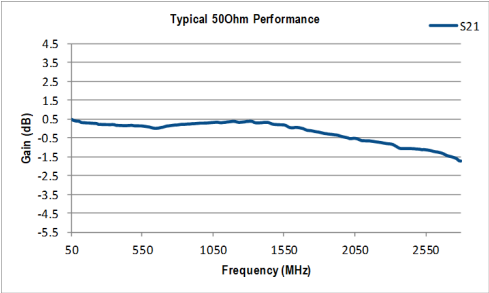


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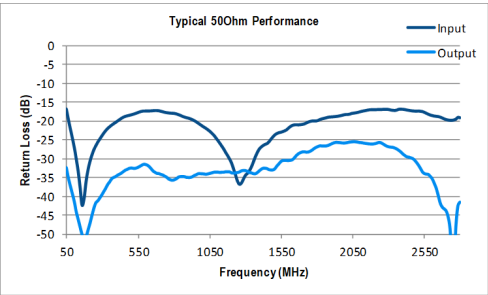
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6-way IF to S band Active Splitter

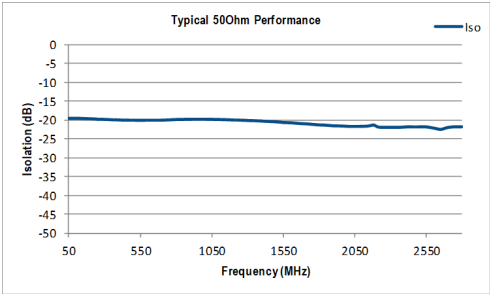
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



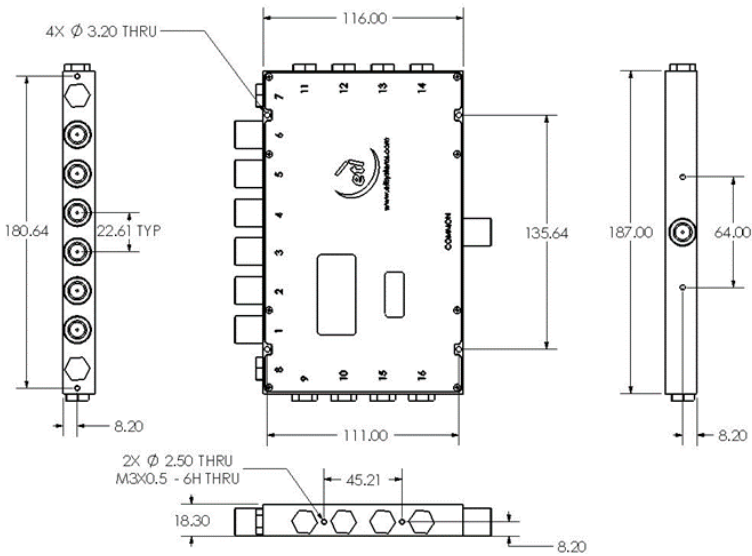
Isolation (dB)

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	+20 dBm
DC Voltage	18 V
DC Current	Max
DC Consumption	

! 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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