

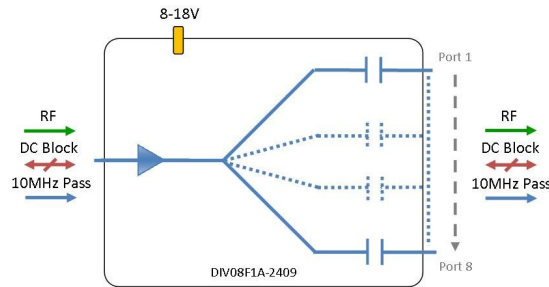


RF Components

8-way IF to S band Active Splitter

50 MHz to 2800MHz

Model Number:
DIV08F1A-2409



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

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC

Compact

Housed in rugged compact enclosure

Flexible Mounting

Tapped screw & through hole mounting options

8-18V

External DC powering

50 MHz to 2800MHz

Operating frequency range.

Note: Image is for reference only



RF Parameters			
DIV08F1A-2409-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)	1.8	1.8	2.0
Input Return Loss (dB)	Typ. 16	15	14
	Min 12	12	10
Output Return Loss (dB)	Typ. 16	15	14
	Min 12	12	10
Output P1dB GCP* (dBm)	Typ. 5	5	5
	Min 2	2	2
Isolation (dB)	Typ. 16	16	16
Output IP3 (dBm)	Typ. 15	15	15
Noise Figure (dB)	Typ. 12	12	12
Amplitude Balance (dB)	$\leq$ 1.8	$\leq$ 1.8	$\leq$ 1.8
Phase Balance (Φ)	$\leq$ 5 $^\circ$	$\leq$ 5 $^\circ$	$\leq$ 5 $^\circ$
10MHz Insertion Loss is 0 $\pm$ 3 dB *GCP (Gain Compression Point)			

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



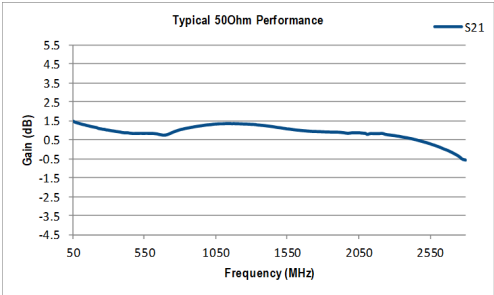


RF Components

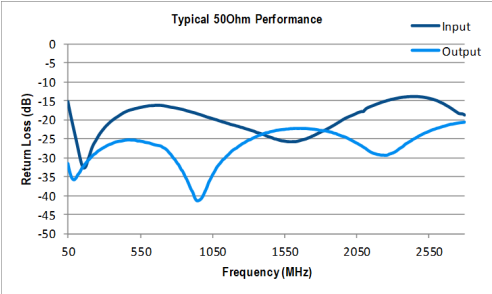
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8-way IF to S band Active Splitter

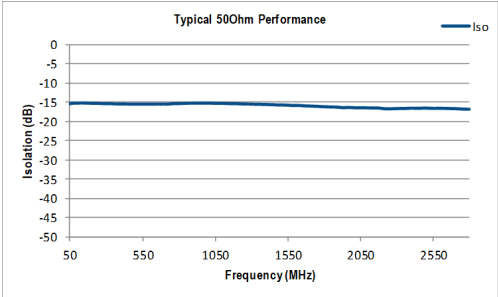
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



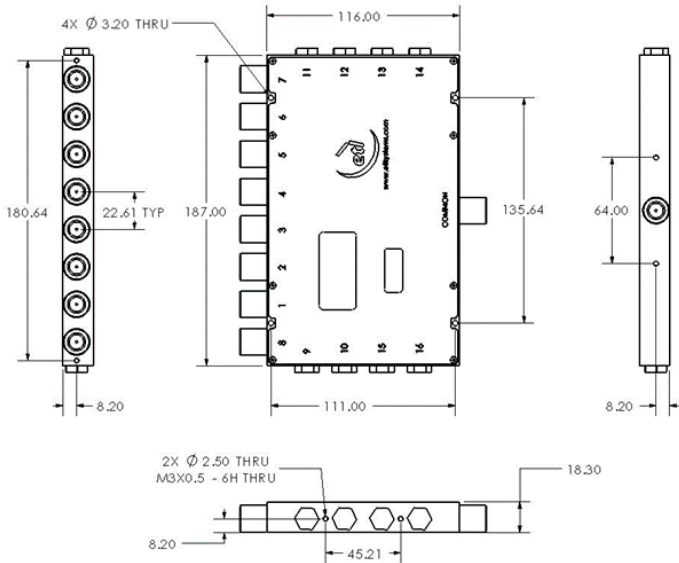
Isolation (dB)

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 Consumption	Max 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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