RF Components

4-Way Broadband Active Splitter

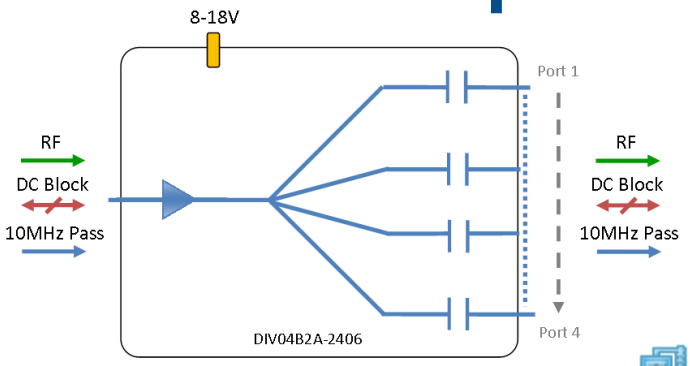
50 - 2150 MHz

Model Number:
DIV04B2A-2406

- All ports 10MHz pass & DC blocked
- Integral regulator
- Requires 8-18V external DC bias

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

50-2150 MHz
Operating frequency range.

Compact
Housed in rugged compact enclosure

Flexible Mounting
Tapped screw & through hole mounting options

RF Parameters						
DIV04B2A-2406-XXXX		S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range		50-2150MHz				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Gain (dB)		0±1.0	0±1.0	0±1.0	0±1.0	0±1.0
Flatness ± (dB)		1.2	1.5	1.5	1.8	2
Input Return Loss (dB)	Typ.	16	16	16	12	12
	Min	12	12	12	8	8
Output Return Loss (dB)	Typ.	27	27	27	14	14
	Min	18	18	18	8	8
Output P1dB GCP* (dBm)	Typ.	5	5	5	5	5
	Min	2	2	2	2	2
Isolation (dB)	Typ.	16	16	16	16	16
Output IP3 (dBm)	Typ.	14	14	14	14	14
Noise Figure (dB)	Typ.	10	10	10	10	10
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

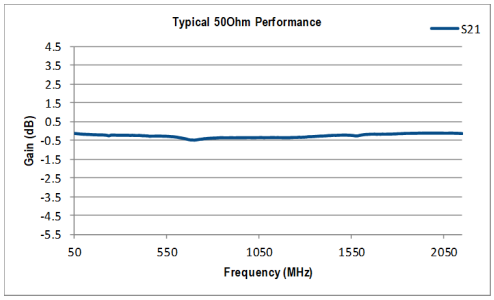
SNG & VSAT

Satellite Teleport

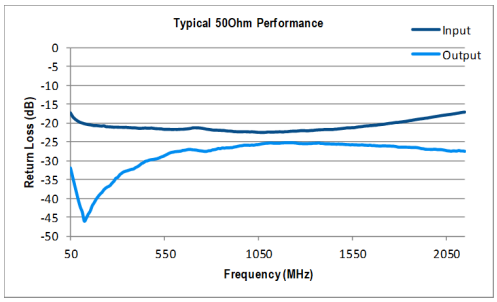
RF Components

Model Number:
DIV04B2A-2406
4-Way Broadband Active Splitter

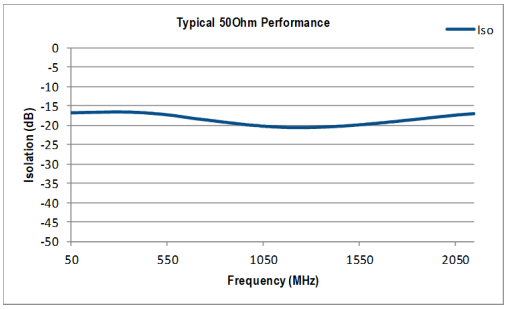
Technical specifications and operating parameters



Gain (dB)



Return Loss (dB)



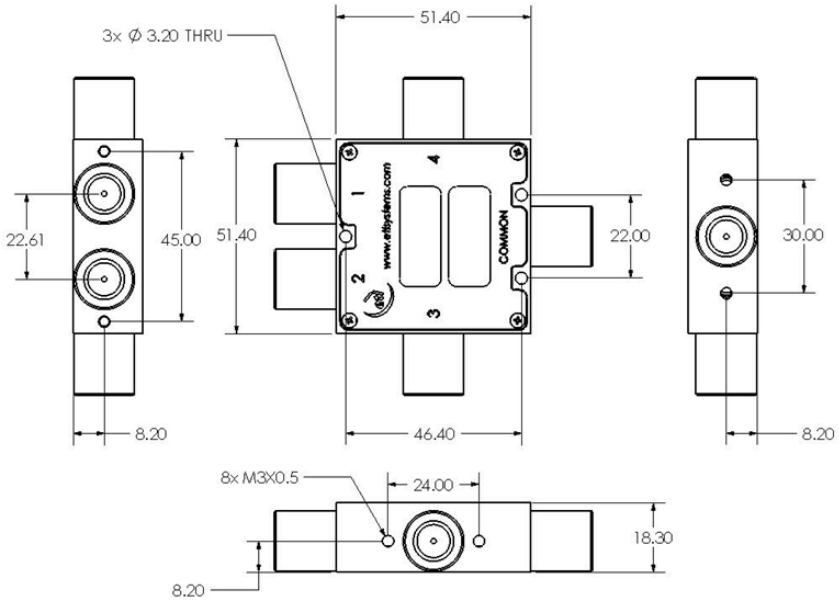
Isolation (dB)

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		+25 dBm (125mW)
DC Voltage		35V on any RF port
DC Current	Max	n/a
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.

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