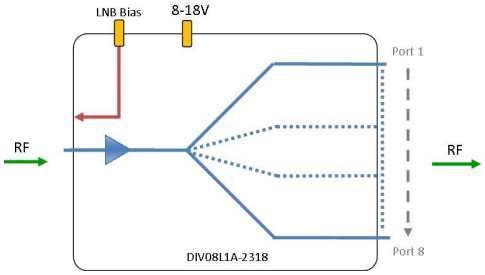
RF Components

Model Number:
DIV08L1A-2318

8-way L-band Active Splitter

850 - 2150 MHz



- LNB feed into the common port
- Provides 15dB Gain
- Requires 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

Compact
Housed in rugged compact enclosure

Flexible Mounting
Tapped screw & through hole mounting options

850-2150 MHz
Operating frequency range.

RF Parameters						
DIV08L1A-2318		S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range		850—2150 MHz				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Gain (dB)		15 ± 1.0	15 ± 1.0	15 ± 1.2	15 ± 1.5	15 ± 1.5
Flatness ±(dB)		0.75	0.75	1.0	1.5	1.5
Input Return Loss (dB)	Typ.	18	18	14	12	10
	Min	15	15	12	8	8
Output Return Loss (dB)	Typ.	18	18	14	12	10
	Min	15	15	12	8	8
Output P1dB GCP* (dBm)	Typ.	3	3	3	3	3
	Min	1	1	1	1	1
Isolation (dB)	Typ.	25	25	25	25	25
Output IP3 (dBm)	Typ.	13	13	13	13	13
Noise Figure (dB)	Typ.	6	6	6	6	6
Amplitude Balance (dB)		≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Phase Balance (Φ)		≤5°	≤5°	≤5°	≤5°	≤5°
*GCP (Gain Compression Point)						

Broadcast

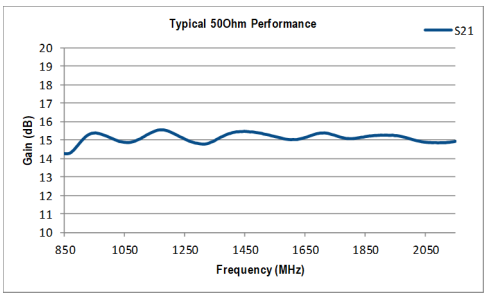
Marine Oil & Gas

SNG & VSAT

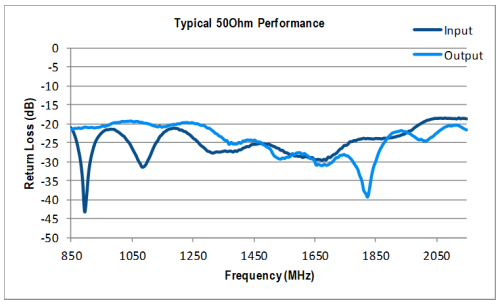
Satellite Teleport

RF Components

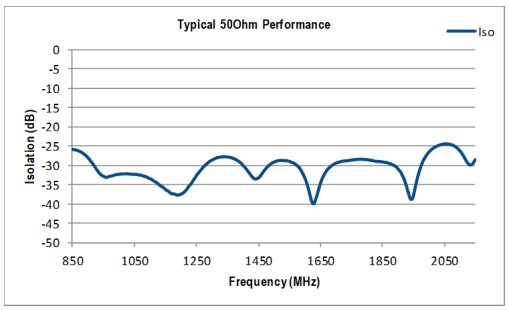
Model Number:
DIV08L1A-2318
8-way L-band Active Splitter



Gain (dB)



Return Loss (dB)



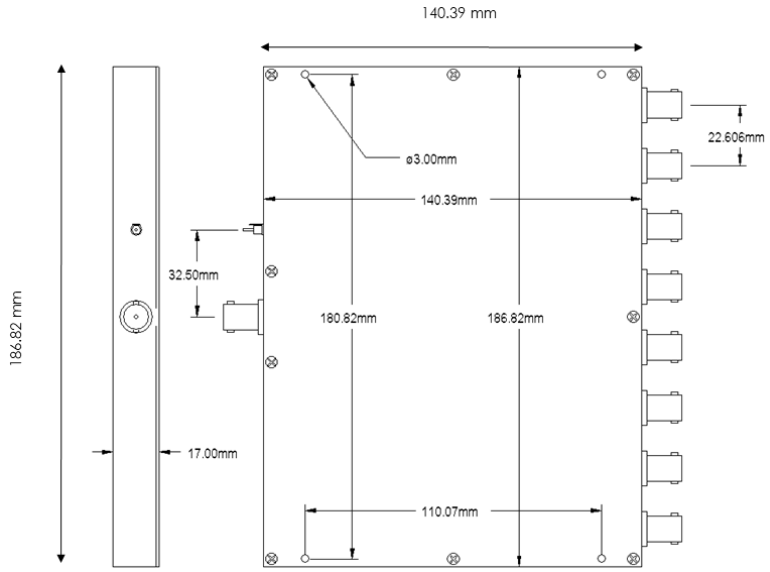
Isolation (dB)

Environmental		
Operating Temperature		0˚C to +65˚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 max
DC Voltage		30V on any RF port
DC Current	Max	500mA
DC Consumption		Maximum 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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