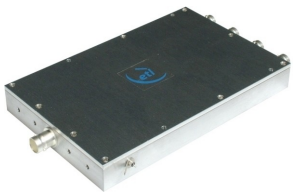
DIV04L1A-2351

RF Engineering & Custom Build

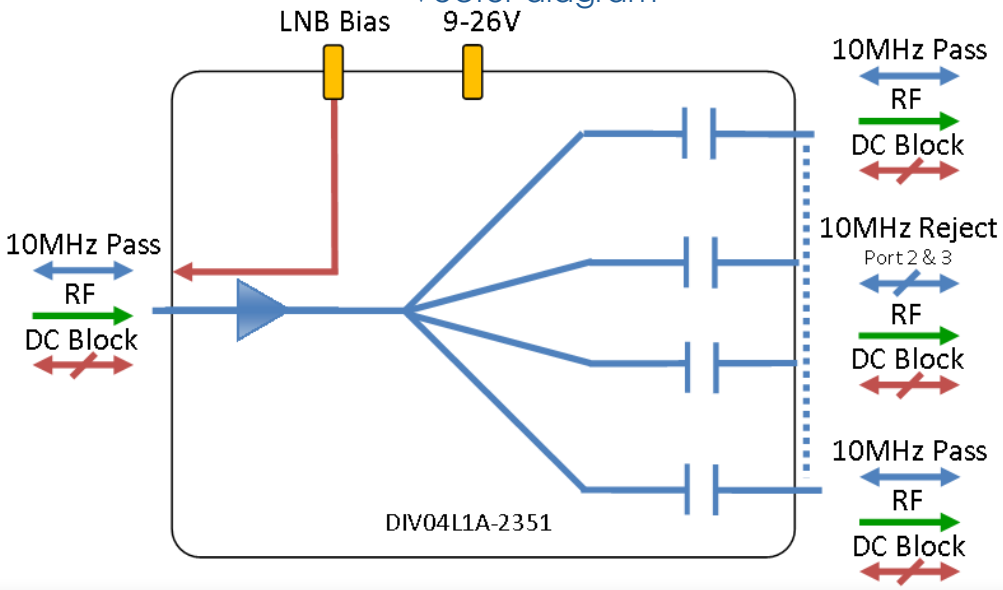
4-way L-band Active splitter



DIV04L1A-2351 is a 4-way active L-band splitter with unity gain, flat frequency response, LNB injection, 10MHz pass on outer 2 output ports only and DC block on all ports. It requires 9-26V external DC bias.

This component is available with the following RF connector options: 50Ω SMA, N-type, BNC and 75Ω BNC or F-type.

Vector diagram



RF Parameters

DIV04L1A-2351		S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range (MHz)		850-2150	850-2150	850-2150	850-2150	850-2150
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
1 dB GCP* (dBm)	Typ	3	3	3	3	3
	Min	0	0	0	0	0
Noise figure (dB)	Typ	10	10	10	10	10
	Max	12	12	12	12	12
Gain (dB)		0 ± 1.5	0 ± 1.5	0 ± 1.5	0 ± 2.5	0 ± 2.5
Return Loss (dB)	Typ	14	14	14	12	10
	Min	10	10	10	9	7

**1dB Gain Compression Point (1dB GCP) is in relation to output power.*
Maximum current consumption is 100mA, typically 80mA.
Isolation: Isolation between any 2 output ports is typically 25dB .
Isolation: Isolation (reverse gain) between the common port and any of the output ports is typically 35dB.
10MHz Insertion loss is typically 3 ± 1dB

BROADCAST

MARINE OIL & GAS

SNG & VSAT

SATELLITE TELEPORT

DIV04L1A-2351

4-way L-band Active splitter

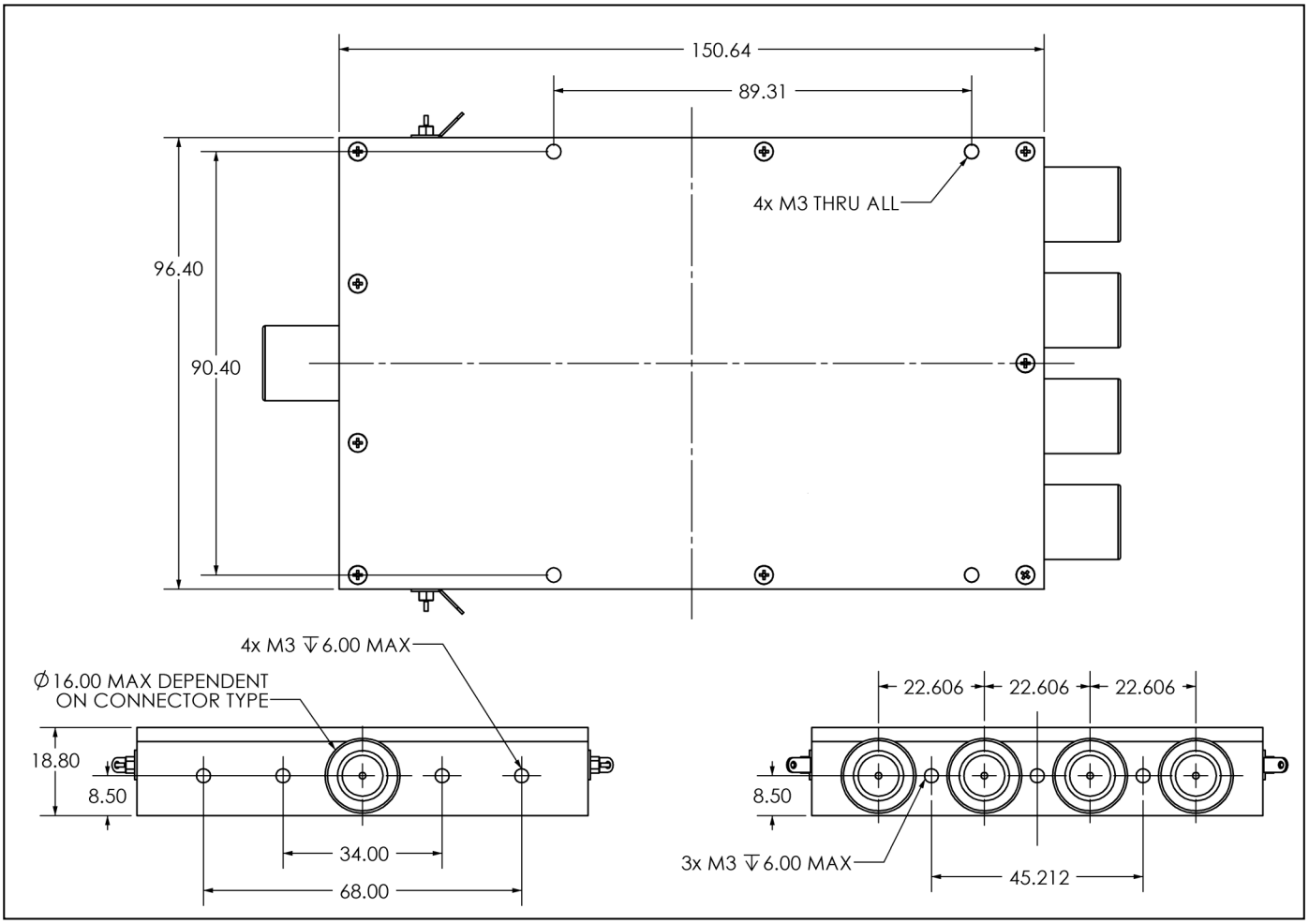
RF Engineering & Custom Build

Environmental	
Operating Temperature	0˚C to 50˚C
Storage Temperature	-40˚C to +85˚C
Location	Indoor use Only
Humidity	80% non-condensing
Altitude	10,000 feet

Max Operating Parameters	
Input RF Power	+16 dBm
DC Voltage	24V on any RF port
DC Current	N/A

! Operation beyond these limits may cause instantaneous and permanent damage.

Physical dimensions



ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE

TELEPHONE
+44 (0)1981 259020

FACSIMILE
+44 (0)1981 259021

EMAIL
info@etlsystems.com

WEB
www.etlsystems.com

V 1.1 E&OE

DIV04L1A-2351

4-way L-band Active splitter

RF Engineering & Custom Build

Feature set for alternative 4-way Active L-band splitters

Model Number	Frequency (MHZ)	Gain/Frequency response	10MHz/DC functionality	Other Features
DIV04L1A-2304	850 - 2150	6dB Gain / Flat response	All RF ports are DC blocked	
DIV04L1A-2322	850 - 2150	Unity Gain / Flat response	All RF ports are DC blocked	
DIV04L1A-2325	850 - 2150	Unity Gain	All RF ports are DC blocked	DC injection
DIV04L1A-2331	850 - 2150	Unity Gain	All RF ports are DC blocked	
DIV04L1A-2341	850 - 2150	Unity Gain / Flat response	All RF ports are10MHz pass & DC blocked	
DIV04L1A-2343	850 - 2150	Unity Gain / Flat response	All RF ports are DC blocked	
DIV04L1A-2346	850 - 2150	Unity Gain / Flat response	Outer two RF ports DC blocked	Built in regulator
DIV04L1A-2351	850 - 2150	Unity Gain / Flat response	Outer two RF ports only are 10MHz pass and all ports are DC blocked	Built in regulator
DIV04L1A-2370	850 - 2150	Unity Gain	10MHz & DC pass from common to port 1 all others 10MHz & DC blocked	
DIV04L1A-2383	850 - 2150	Unity Gain / Flat response	All RF ports are 10MHz blocked & DC pass. DC is blocked between output ports	
DIV04L1A-2384	850 - 2150	Unity Gain	Common port to port 1 is DC pass all other ports are DC blocked	
DIV04L1A-2385	850 - 2150	Unity Gain	10MHz & DC pass from common to port 1 all others 10MHz & DC blocked	
DIV04B2A-2406	50 - 2150		All RF ports are10MHz pass & DC blocked	Integral regulator
DIV04L1A-2393	850 - 2150	Unity Gain	DC inject on common port, all other ports are DC blocked	
DIV04L1A-2400	850 - 2150	Unity Gain	All RF ports are10MHz pass & DC blocked	
DIV04L1A-2429	850 - 2150	Unity Gain	All RF ports are10MHz pass & DC blocked	
DIV04L1A-2430	850 - 2150	Unity Gain	DC pass & 10MHz block from common to port 1 only all others 10MHz & DC blocked	

** Custom designs available on request*

ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE

TELEPHONE
+44 (0)1981 259020

FACSIMILE
+44 (0)1981 259021

EMAIL
info@etlsystems.com

WEB
www.etlsystems.com

V 1.1 E&OE