

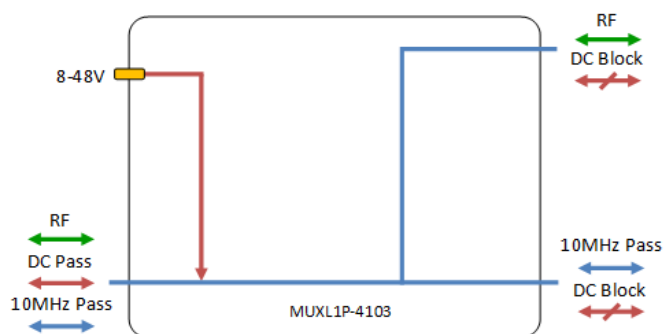


RF Components

L-Band Multiplexer

850 - 2150 MHz

Model Number:
MUXL1P-4103



- Multiplexes L-band, 10MHz and DC onto Port 1
- 10MHz Input port and Port 2 DC blocked.

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type.



850-2150 MHz
operating frequency
range. L-Band ready



Compact
housed in
rugged compact
enclosure



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

RF Parameters					
MUXL1P-4103-XXXXXX	S5S5S5	N5N5N5	B5B5B5	B7B7B7	F7F7F7
Frequency Range	850-2150 MHz				
RF Connectors	50 Ω SMA	50 Ω N-Type	50 Ω BNC	75 Ω BNC	75 Ω F-Type
Common Port:	-	-	-	-	-
Mean Insertion Loss (dB)	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.6	≤ 0.6
Flatness $\pm$ (dB)	0.15	0.15	0.3	0.5	0.5
Return Loss (dB)	20	18	16	12	12
	15	14	12	8	8
L-Band Port :	-	-	-	-	-
Return Loss (dB)	20	18	16	12	12
	15	14	12	8	8
10MHz :	-	-	-	-	-
Mean Insertion Loss (dB)	≤ 0.3	≤ 0.3	≤ 0.5	≤ 0.5	≤ 0.6
Isolation (dB)	23	23	20	18	18

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

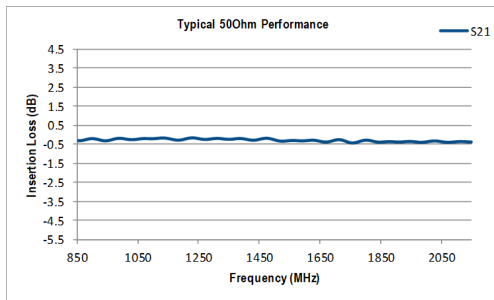




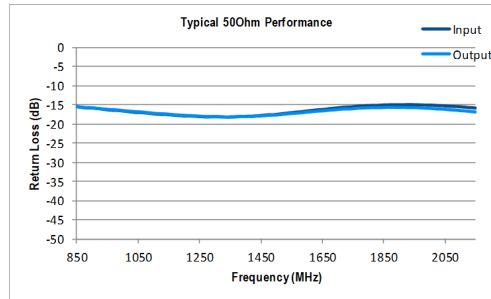
RF Components

Model Number:
MUXL1P-4103
L-band Multiplexer

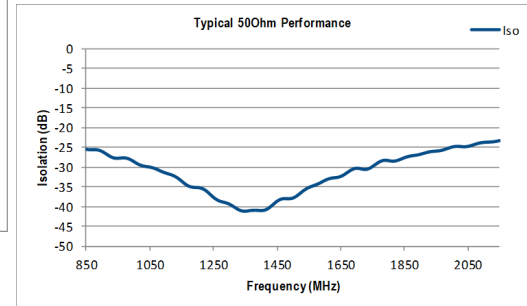
Technical specifications and operating parameters



Insertion Loss (dB)



Return Loss (dB)



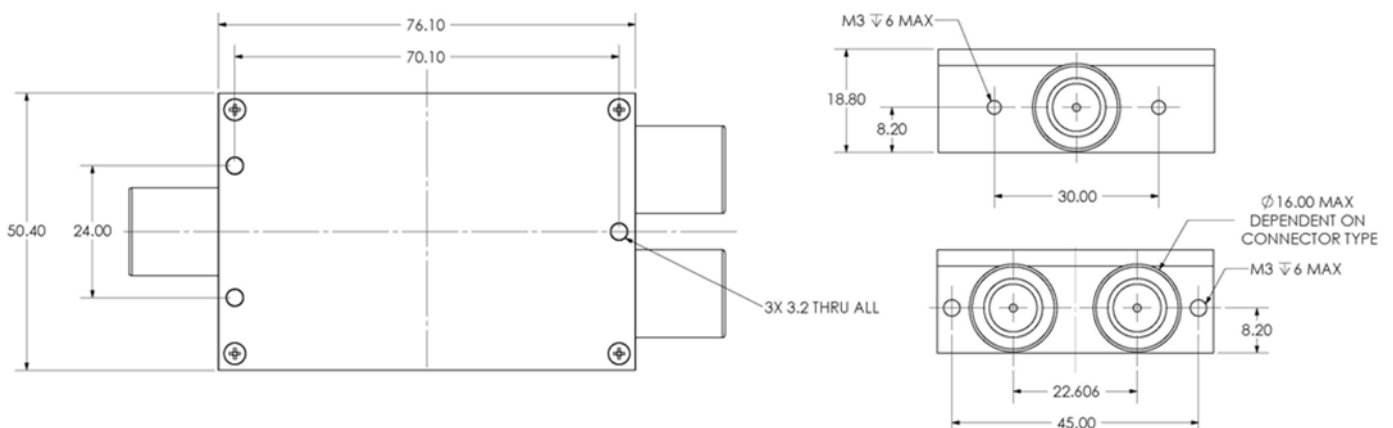
Isolation (dB)

Environmental	
Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to +85°C
Location	Indoor use Only
Humidity	85% non-condensing
Altitude	10,000 feet

Max Operating Parameters	
Input RF Power	5W Max total RF power
DC Voltage	50 V Max
DC Current	MUXL1P-4103 is rated 7Amp on N-type, 5Amp on BNC and 3 Amp on SMA or F-type.

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

Physical Dimensions



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 spec accuracy.

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