

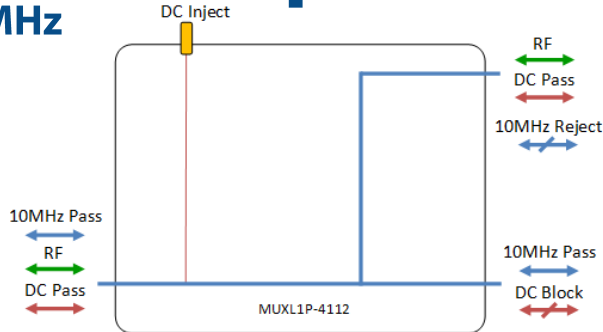


Model Number:
MUXL1P-4112

RF Components

L-Band Multiplexer

850 - 2150 MHz



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

Multiplexer

RF Parameters					
MUXL1P-4112-XXXXXX	S5S5S5	N5N5N5	B5B5B5	B7B7B7	F7F7F7
Frequency Range	850-2150 MHz				
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Common Port:	-	-	-	-	-
Mean Insertion Loss (dB)	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.5	≤ 0.7
Flatness ± (dB)	0.15	0.15	0.2	0.3	0.5
Return Loss (dB)	18	18	16	12	12
	14	14	12	8	8
L-Band Port :	-	-	-	-	-
Return Loss (dB)	18	18	16	12	12
	14	14	12	8	8
10MHz :	-	-	-	-	-
Mean Insertion Loss (dB)	≤ 0.4	≤ 0.4	≤ 0.5	≤ 0.5	≤ 0.6
Isolation (dB)	20	20	18	18	18

Broadcast



Marine Oil & Gas



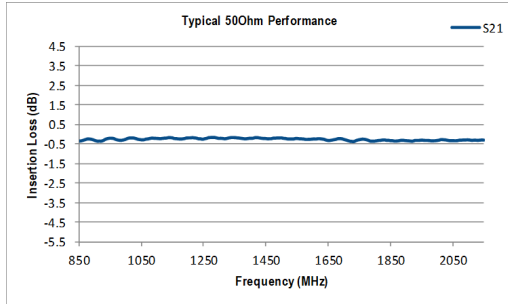
SNG & VSAT



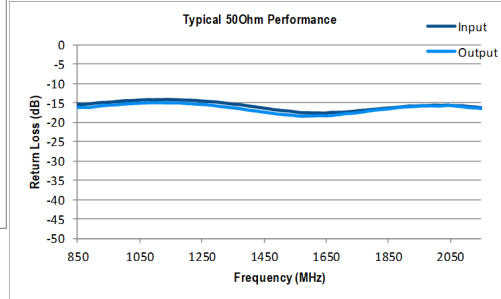
Satellite Teleport



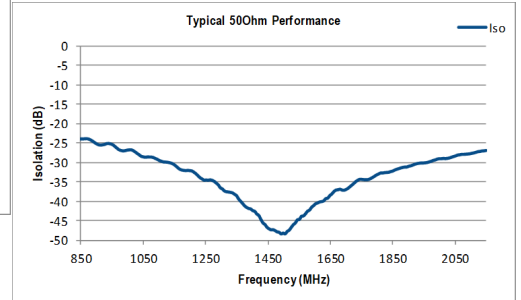
Technical specifications and operating parameters



Insertion Loss (dB)



Return Loss (dB)



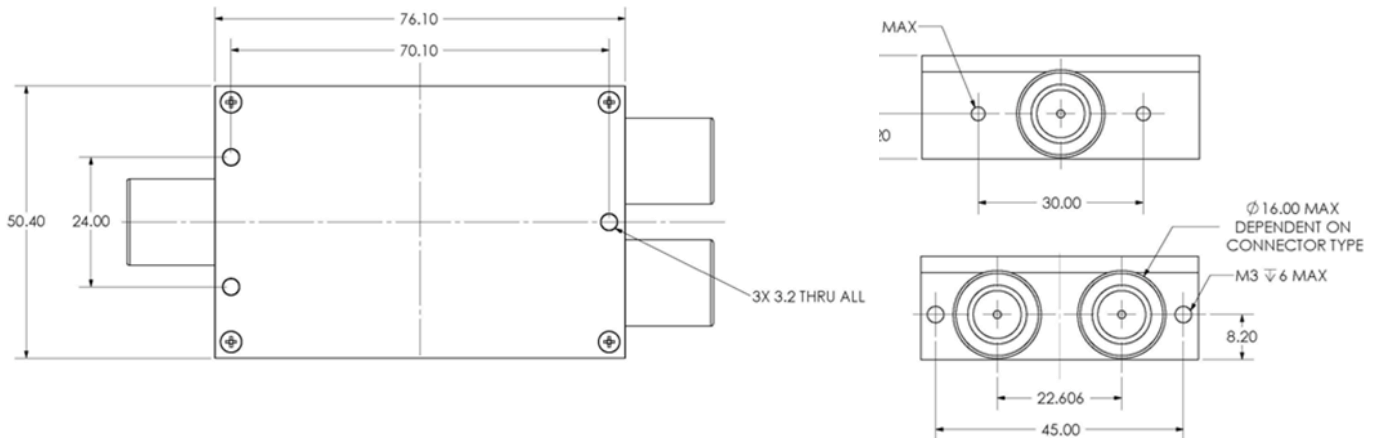
Isolation (dB)

Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+21 dBm (125mW)
DC Voltage	50V on any RF port
DC Current	500mA

! 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.