

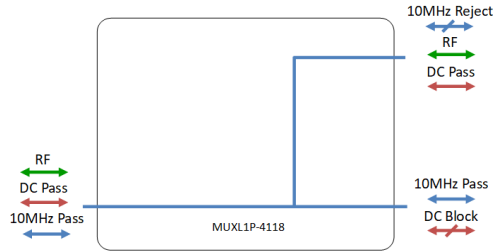


RF Components

# L-Band Multiplexer

## 850 - 2150 MHz

Model Number:  
**MUXL1P-4118**



- Multiplexes L-band, DC & 10 MHz onto Port 1
- Port1 and Port2 are DC pass
- 10MHz Input port DC blocked
- Offers higher isolation - 42dB

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-4118-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	850 – 2150 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
<b>Common Port:</b>	-	-	-	-	-	
Mean Insertion Loss (dB)	0.35 ±	0.35 ±	0.4 ±	0.5 ±	0.7 ±	
Return Loss (dB)	Typ	20	18	16	12	12
	Min	15	14	12	8	8
<b>L-Band Port :</b>	-	-	-	-	-	
Return Loss (dB)	Typ	20	18	16	12	12
	Min	15	14	12	8	8
<b>10MHz :</b>	-	-	-	-	-	
Mean Insertion Loss (dB)	Typ	0.3	0.4	0.5	0.5	0.6
	Min	0.8	0.8	0.8	1.0	1.2

### Broadcast



### Marine Oil & Gas



### SNG & VSAT



### Satellite Teleport



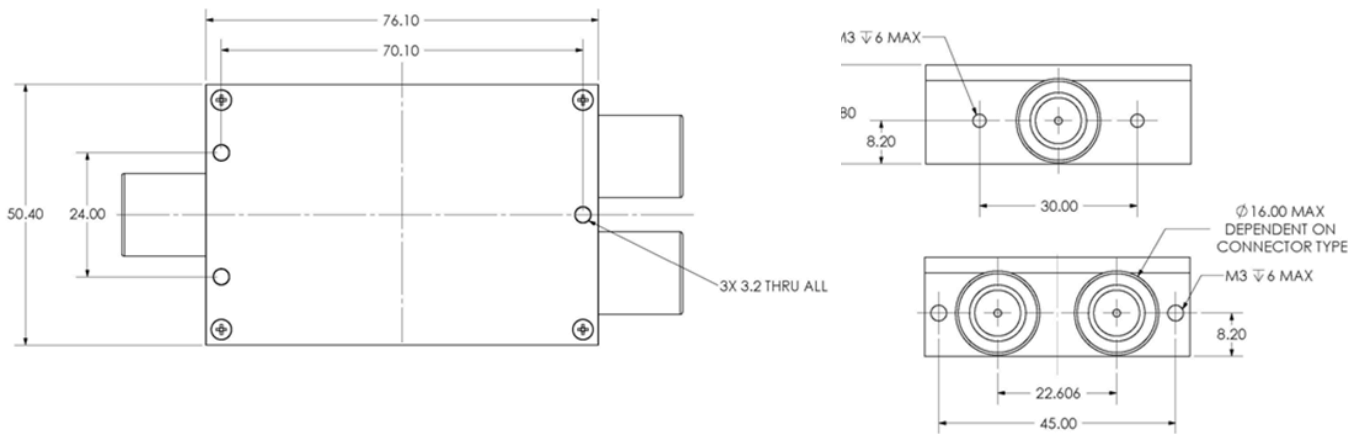
### Technical specifications and operating parameters

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
DC Consumption	n/a

**!** 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.