



# L-band Multiplexer

850 - 2150 MHz

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



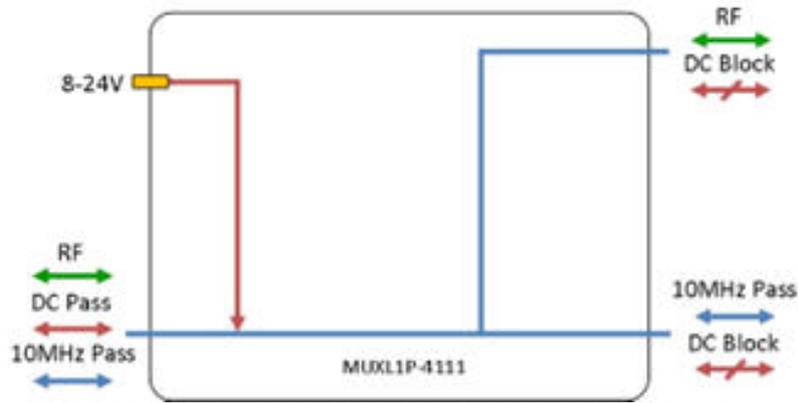
**Compact**  
Housed in rugged compact  
enclosure

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

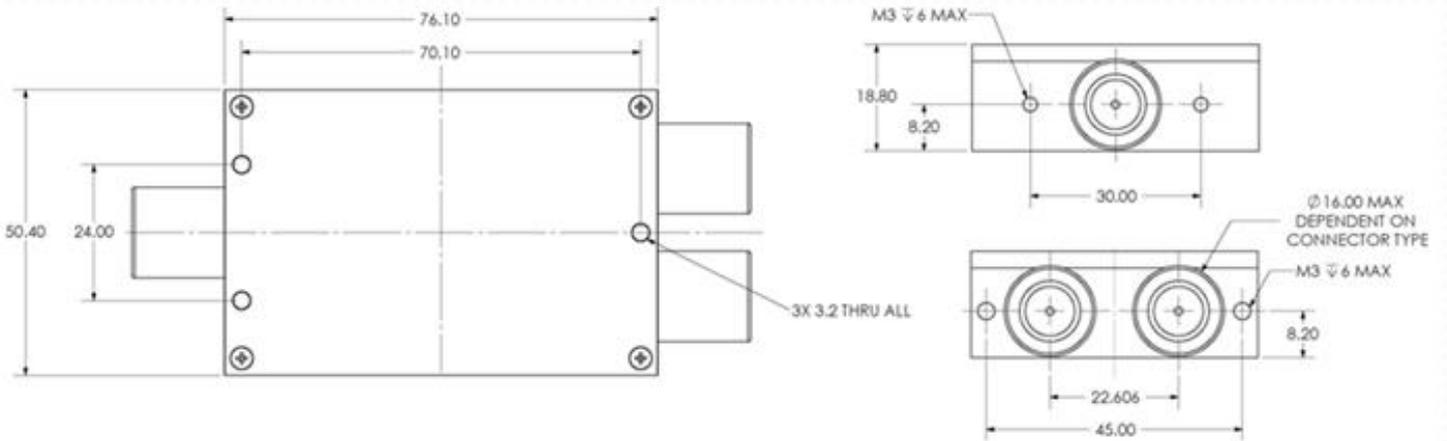
RF Parameters					
Model Variation	S5S5S5	N5N5N5	B5B5B5	B7B7B7	F7F7F7
Frequency Range	850 - 2150 MHz				
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Common Port:	-				
Mean Insertion Loss (dB)	≤0.4			≤0.6	
Flatness (dB)	± 0.15	± 0.15	± 0.2	± 0.5	
Return Loss (dB)	18		16	12	
	14		12	8	
L-band Port:	-				
Return Loss (dB)	20	18	16	12	
	15	14	12	8	
10MHz:	-				
Mean Insertion Loss (dB)	≤0.2			≤0.4	
Isolation (dB)	Typical		22		18
Max Operating Parameters					
Input RF Power	5W (total RF power)				
DC Voltage	24V				
Physical & Environmental					
Operating Temperature	0°C to 45°C				
Storage Temperature	-20°C to +85°C				
Location	Indoor use only				
Humidity	85% non-condensing (maximum)				
Altitude	10,000ft (maximum)				

Note 1: 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.  
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

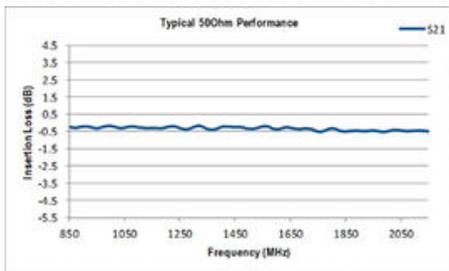
## Diagram



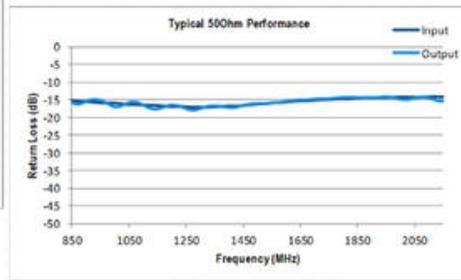
## Physical Dimensions (mm)



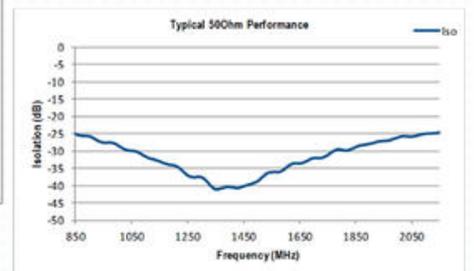
## Test Plots



Insertion Loss (dB)



Return Loss (dB)



Isolation (dB)

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