



IP67 L-Band Multiplexer

850 - 2150 MHz

Compact & Waterproof
Housed in IP67 rated
waterproof enclosure*

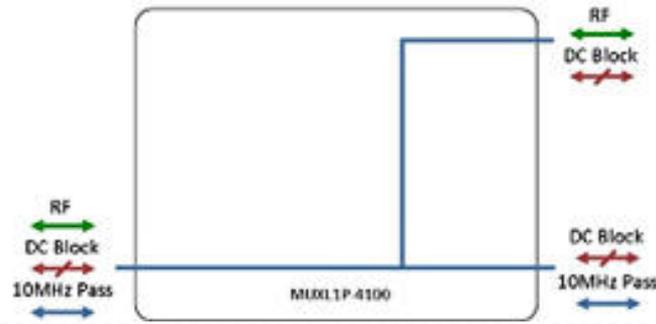


Flexible Mounting
Through hole
mounting options

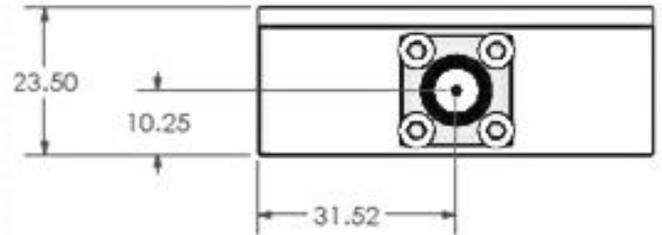
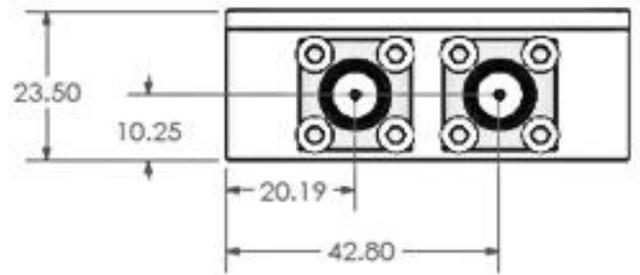
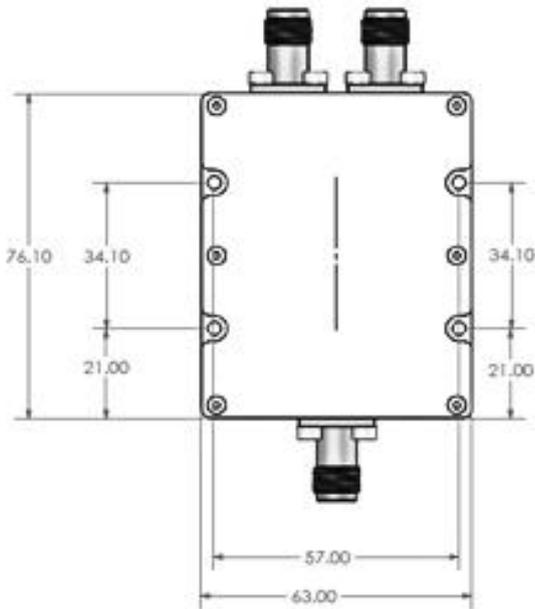
850-2150 MHz
Operating frequency
range. L-Band ready

RF Parameters		
Model Variation	S5S5S5	N5N5N5
Frequency Range	850 - 2150 MHz	
RF Connectors	50Ω SMA	50Ω N-Type
Common Port		
Mean Insertion Loss (dB)	≤ 0.5	
Flatness (dB)	± 0.1	
Return Loss (dB)	Typical	20
	Minimum	14
L-Band Port		
Return Loss (dB)	Typical	26
	Minimum	14
10MHz		
Mean Insertion Loss (dB)	≤0.2	
Isolation (dB)	25	
Max Operating Parameters		
Input RF Power (into matched load with 20dB return loss)	+37dBm (5W) as splitter +27dBm (500mW) as combiner	
DC Voltage	24V on any RF port	
DC Current		
DC Consumption		
Physical & Environmental		
Operating Temperature	-40°C to +85°C	
Storage Temperature	-50°C to +100°C	
Location	Indoor / Outdoor IP67* use	
Humidity	100% non-condensing (maximum)	
Altitude	12,000 feet Operational, 40,000 feet Survival	

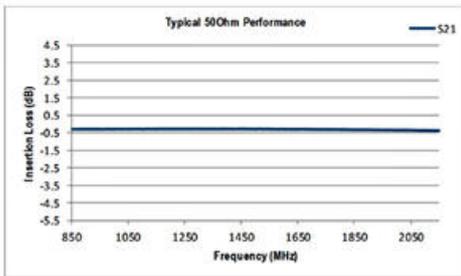
Diagram



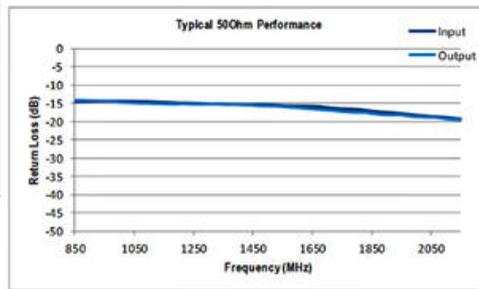
Physical Dimensions (mm)



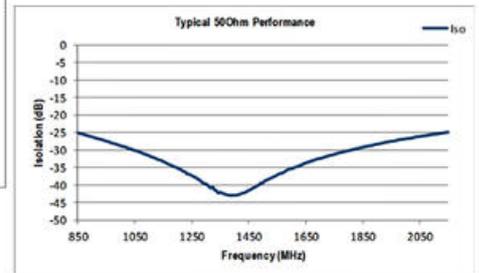
Test Plots



Insertion Loss (dB)



Return Loss (dB)



Isolation (dB)

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.