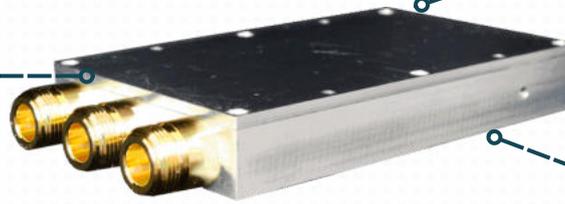


# Scorpion Series L-Band Multiplexer

850 - 2150 MHz

850-2150MHz  
Operating frequency range.

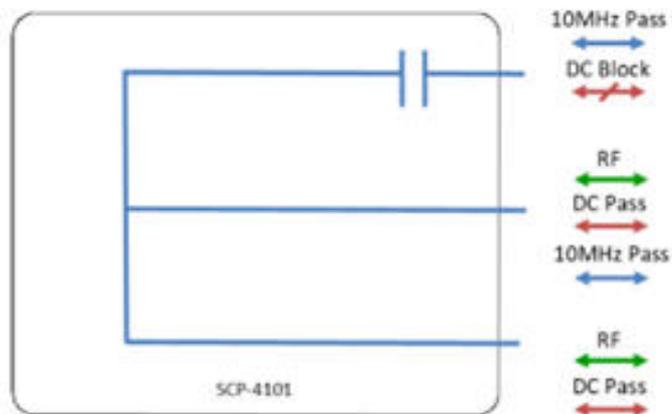
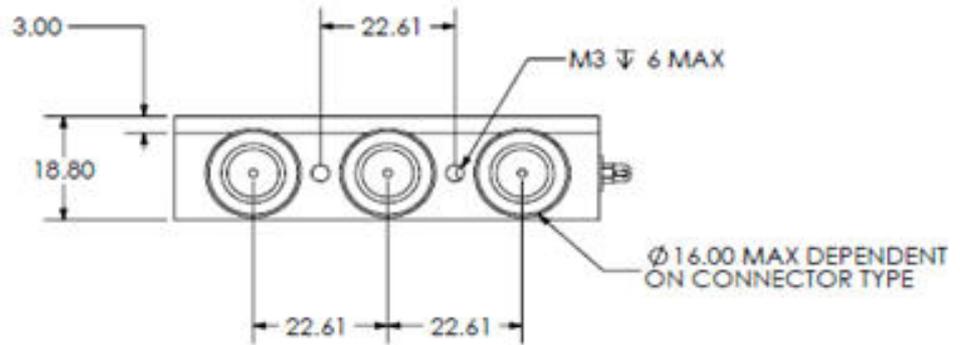
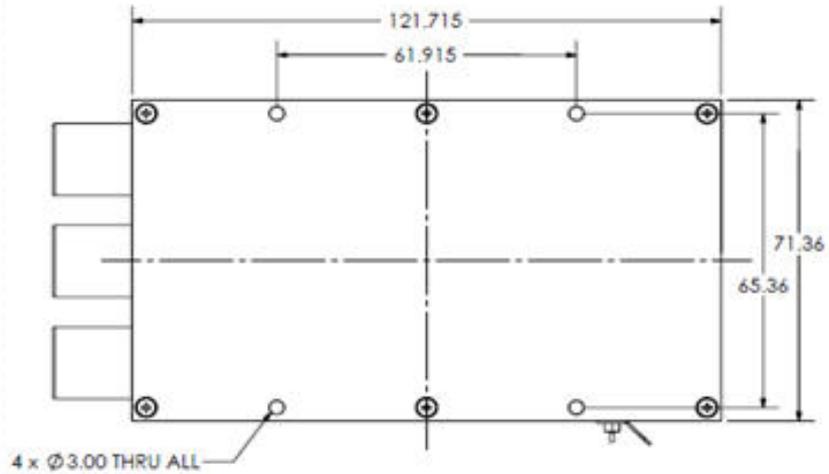


**Chassis Mounting**  
Tapped screw & through hole for use with Scorpion 1U chassis mount system.

**Compact**  
Housed in rugged compact enclosure.

RF Parameters						
SCP-4101-XXXXX	S5S5S5	N5N5N5	B5B5B5	B7B7B7	F7F7F7	
Frequency Range	850-2150MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Common Port						
Mean Insertion Loss (dB)	≤ 0.6	≤ 0.6	≤ 0.6	≤ 0.8	≤ 0.9	
Flatness ± (dB)	0.3	0.3	0.3	0.3	0.3	
Return Loss (dB)	Typ.	18	18	16	12	12
	Min.	14	14	12	8	8
L-band Port						
Return Loss (dB)	Typ.	18	18	16	12	12
	Min.	14	14	12	8	8
10MHz						
Mean Insertion Loss (dB)	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.6	≤ 0.6	
Isolation (dB)	30	30	30	30	30	
Max Operating Parameters						
Input RF Power	5W Max. total RF power					
DC Voltage	24V Max.					
DC Current	2A Max.					
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					

## Diagram



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.