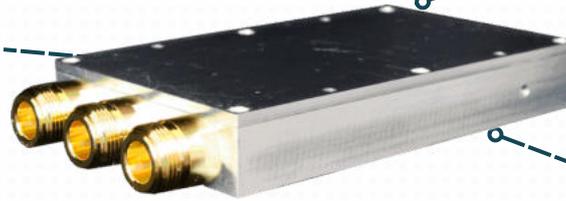


Scorpion Series 10 dB L-band Coupler

850 - 2150 MHz

850-2150MHz
Operating frequency range.



Chassis Mounting

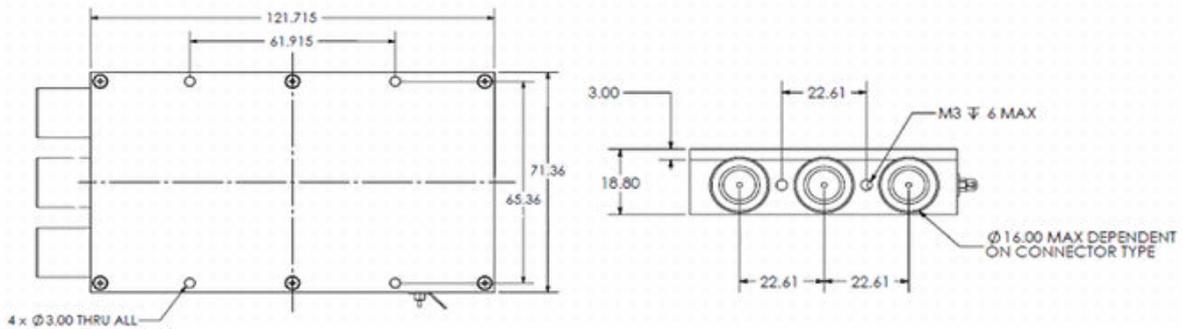
Tapped screw & through hole for use with Scorpion 1U chassis mount system.

Compact

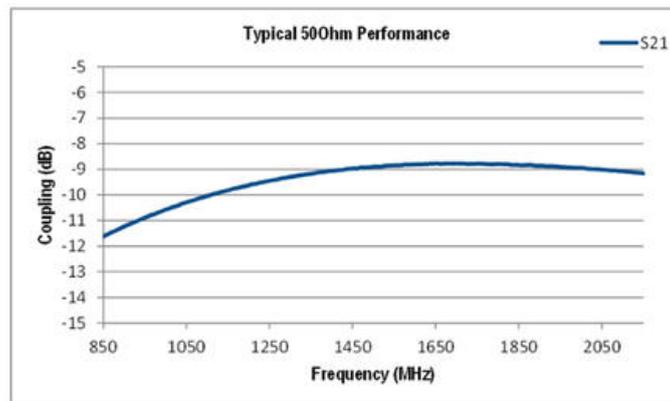
Housed in rugged compact enclosure.

RF Parameters						
436000	S5S5S5	N5N5N5	B5B5B5	B7B7B7	F7F7F7	
Frequency Range	850-2150MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Coupling Factor (dB)	10±1.8 dB	10±1.8 dB	10±1.8 dB	10±2.2 dB	10±2.2 dB	
Thru Insertion Loss (dB)	Typ.	1.2	1.2	1.2	1.7	1.7
	Min.	1.7	1.7	1.7	2.2	2.2
Return Loss (dB) Thru line	Typ.	20	20	20	14	14
	Min.	14	14	14	8	8
Directivity* (dB)	14	14	14	10	10	
*Directivity across frequency band will vary.						
Max Operating Parameters						
Input RF Power	+35 dBm (5W)					
DC Voltage	50V on any RF port					
DC Current	5A Max. N-Type & SMA, 3.5A Max. BNC & F-Type					
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					

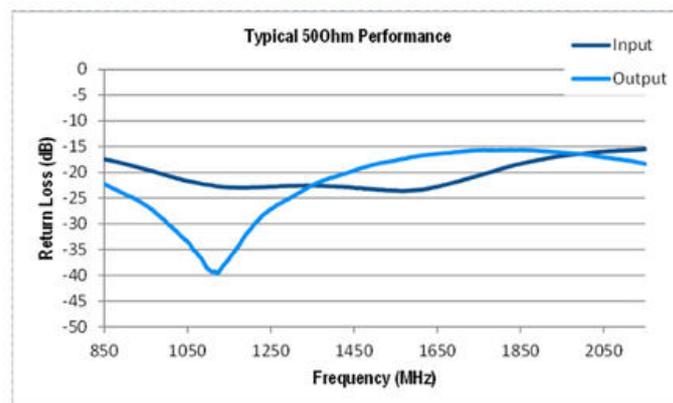
Dimensions (mm)



Test Plots



Coupling (dB)



Return Loss (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.