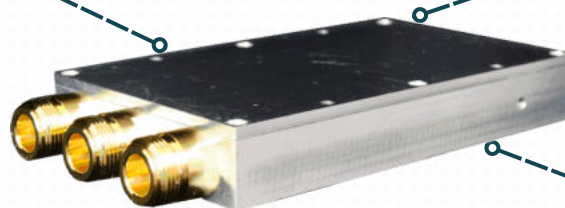


Scorpion Series 20dB L-band Coupler

850 - 2150 MHz

850-2150MHz
Operating frequency range.



Chassis Mounting

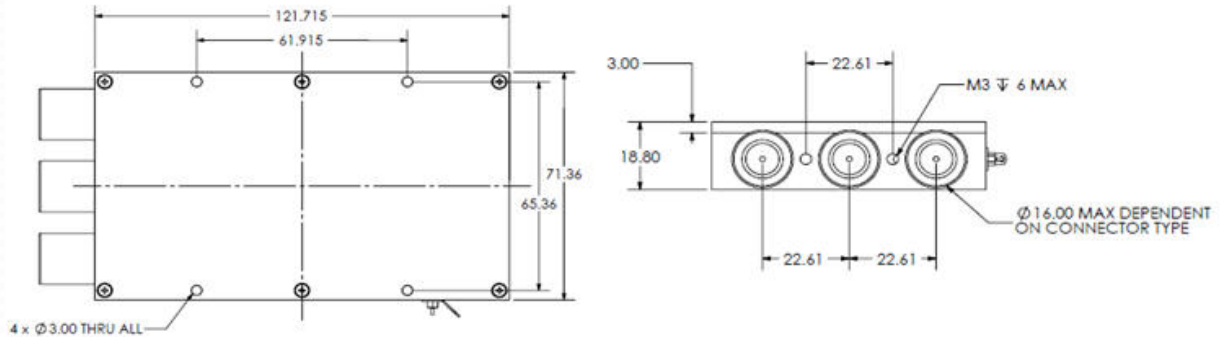
Tapped screw & through hole for use with Scorpion 1U chassis mount system.

Compact

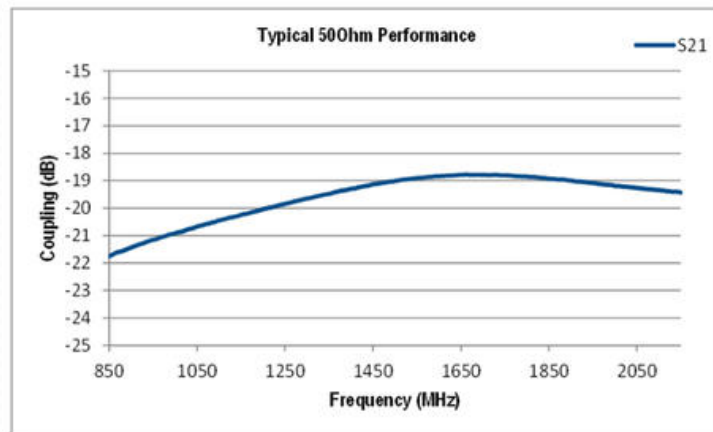
Housed in rugged compact enclosure.

RF Parameters						
SCP-4306		S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range		850-2150MHz				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Coupling Factor (dB)		20±1.8 dB	20±1.8 dB	20±1.8 dB	20±2.2 dB	20±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		3A 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				

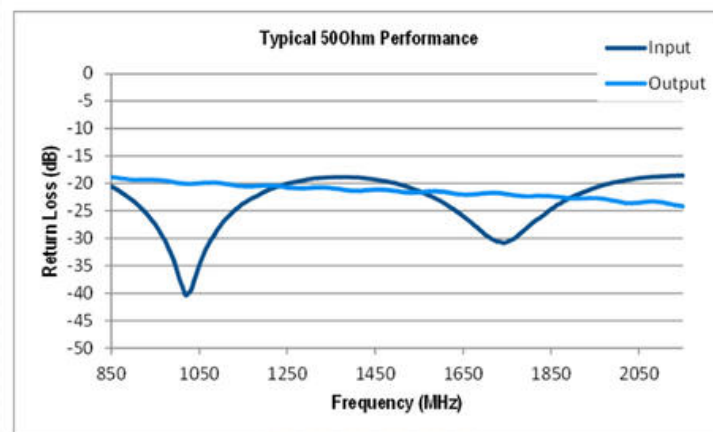
Dimensions (mm)



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.