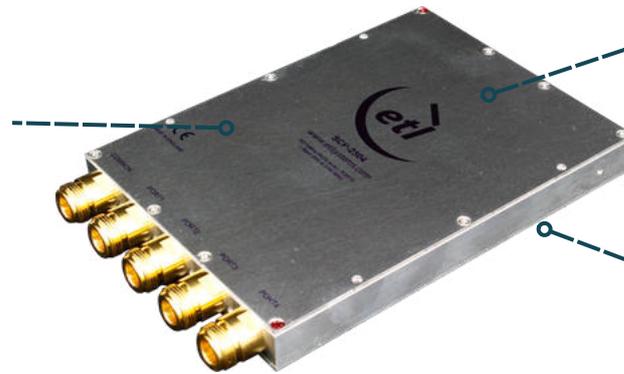


Scorpion 4-Way Passive Splitter/Combiner

IF-band 50-1000MHz

50-1000MHz
Operating frequency range.



Chassis Mounting

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

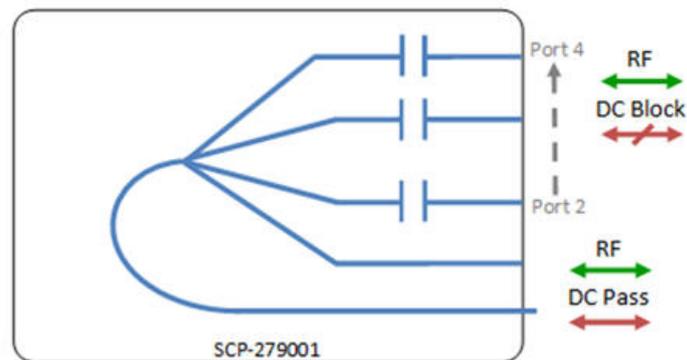
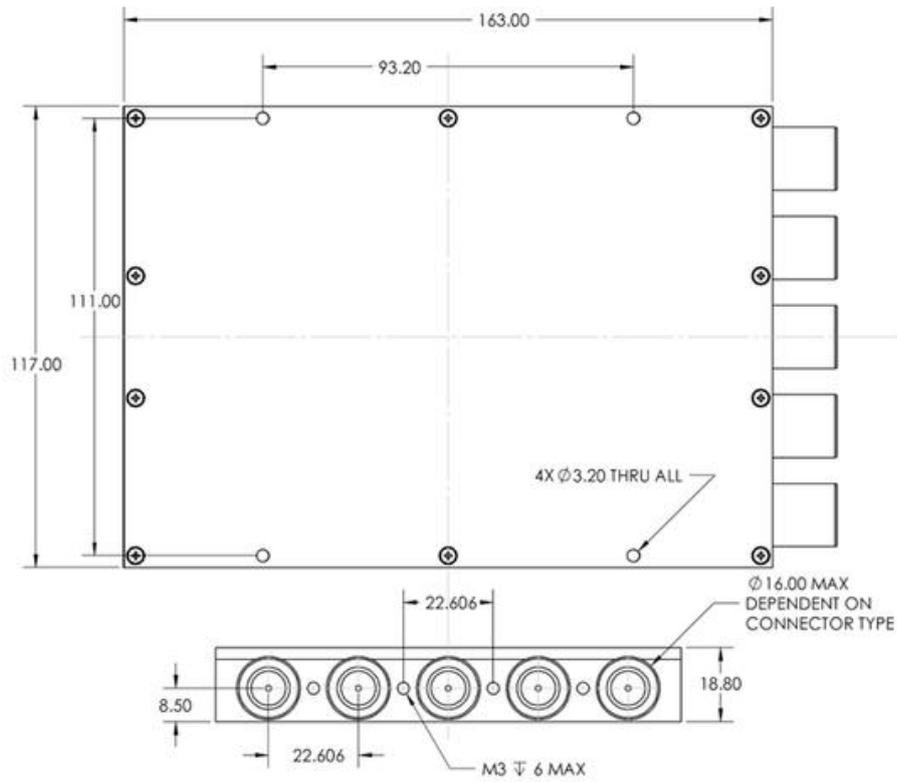
Compact

Housed in rugged compact enclosure.

RF Parameters						
		S5S5	N5N5	B5B5	B7B7	F7F7
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Insertion Loss (dB)	50-800MHz	1.0 dB typ	1.0 dB typ	1.0 dB typ	1.2 dB typ	1.2 dB typ
		1.8 dB max	1.8 dB max	1.8 dB max	2.2 dB max	2.2 dB max
	800-1000MHz	1.6 typ	1.6 typ	1.6 typ	1.8 typ	1.8 typ
		2.2 max	2.2 max	2.2 max	3.1 max	3.1 max
Input Return Loss (dB)	Typ.	18	18	18	14	14
	Max.	12	12	12	8	8
Output Return Loss (dB)	Typ.	18	18	18	14	14
	Min.	12	12	12	8	8
Isolation (dB)	Typ.	16	16	16	16	16
Amplitude Balance (dB)		0.5	0.5	0.5	1.0	1.0
Phase Balance (Φ)		5°	5°	5°	5°	5°
The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider 10MHz Insertion Loss is up to 3dB above the theoretical loss* 10MHz Rejection is 20dB* *To ports which are applicable						
Max Operating Parameters						
Input RF Power		+27 dBm (0.5W) As Splitter / +21dBm (0.125W) As Combiner				
DC Voltage		35V on any RF port				
DC Current		3A Max. on Pass Port				
Environmental						
Temperature		Operating: 0°C to +45°C Storage: -20°C to +75°C				
Location		Indoor use only				
Humidity (Max.)		85% non-condensing				
Altitude (Max.)		10,000 feet				

Diagrams

Dimensions (mm)



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.