

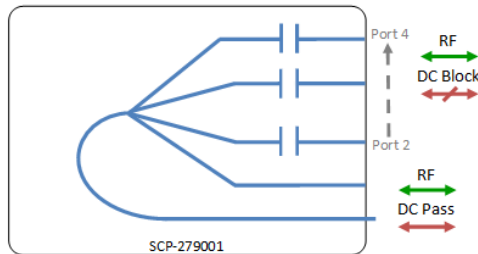


Model Number:
SCP-279001

RF Components

Scorpion 4-Way Passive Splitter/Combiner

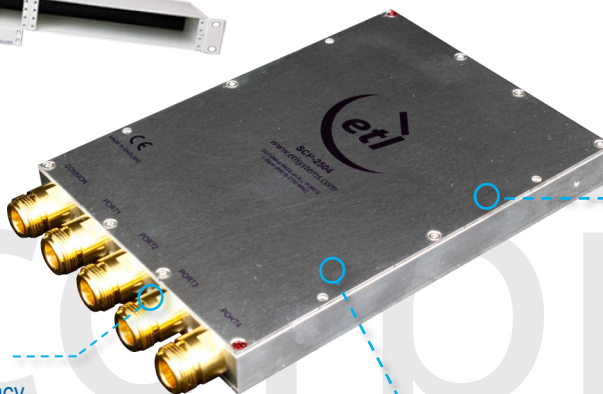
IF-Band 50 - 1000 MHz



- 1 port DC Pass
- All other ports DC blocked
- All ports located on rear of unit.
- Can be standalone or mounting in our Scorpion 1U Chassis. Model SCP-1U-11.

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC



Compact
Housed in rugged compact enclosure

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

50 - 1000 MHz
Operating frequency range.

RF Parameters					
SCP-279001-xxxx	S5S5	N5N5	B5B5	B7B7	F7F7
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Insertion Loss	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
800-1000 MHz	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	18 dB typ	18 dB typ	18 dB typ	14 dB typ	14 dB typ
	12 dB min	12 dB min	12 dB min	8 dB min	8 dB min
Output Return Loss	18 dB typ	18 dB typ	18 dB typ	14 dB typ	14 dB typ
	12 dB min	12 dB min	12 dB min	8 dB min	8 dB min
Isolation Typical (dB)	16	16	16	16	16
Phase & Amplitude Misalignment	5°	5°	5°	5°	5°
	0.5dB	0.5dB	0.5dB	1.0dB	1.0dB

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

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





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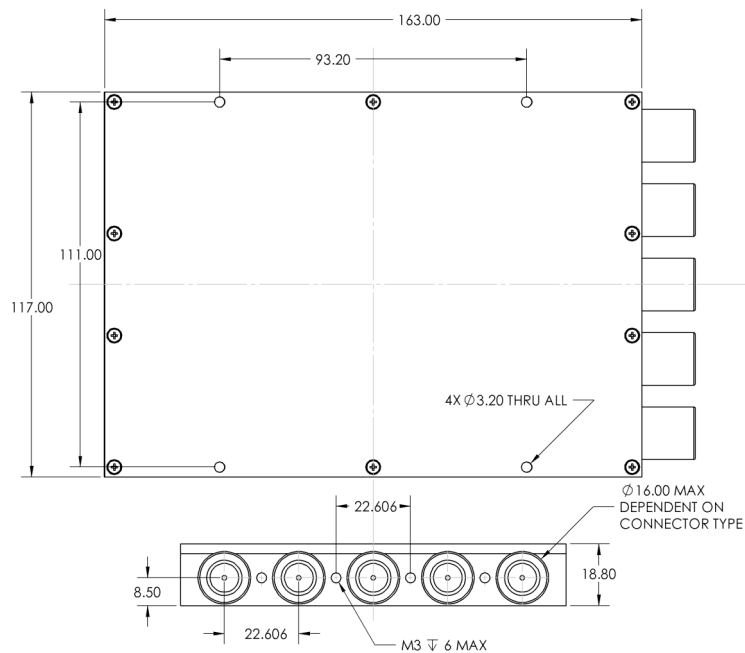
Scorpion 4-Way Passive Splitter/Combiner

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

Max Operating Parameters		
Input RF Power		+27 dBm (0.5W) As Splitter +21 dBm (.125W) As Combiner
DC Voltage		35V on any RF port
DC Current	Max	3A (On pass Port)
DC Consumption		N/A

! Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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