



RF Components

Scorpion 4-Way Passive Splitter/Combiner

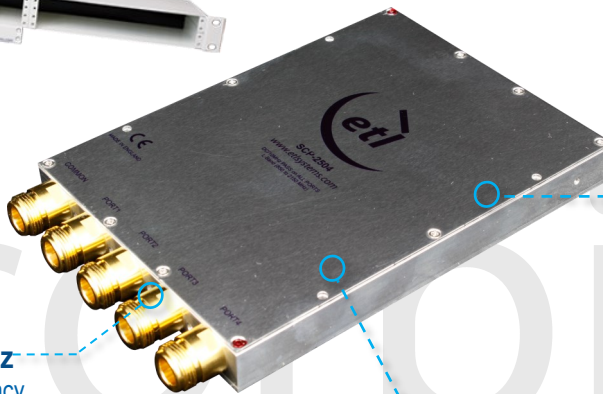
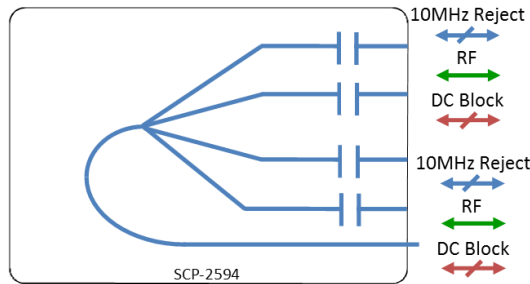
L-Band 850 - 2150 MHz

Model Number:
SCP-2594

- All ports 10 MHz & 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
- 75 Ω F-type



Compact

Housed in rugged compact enclosure

Chassis Mounting

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

850 - 2150 MHz
Operating frequency range.

RF Parameters						
SCP-2594-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	850 - 2150 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Mean Insertion Loss (dB)	1.5	1.5	1.8	2.0	2.0	
Flatness ± (dB)	± 1.2	±1.2	± 1.4	±1.7	±1.7	
Input Return Loss (dB)	Typ.	15	15	14	12	12
	Min	10	10	10	8	8
Output Return Loss (dB)	Typ.	20	20	18	12	12
	Min	15	15	12	8	8
Isolation (dB)	Typ.	20	20	20	20	20
Amplitude Balance (dB)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 1.0	≤ 1.0	
Phase Balance (Φ)	≤ 5°	≤ 5°	≤ 5°	≤ 10°	≤ 10°	

The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider
10MHz Rejection is 20dB*
*To ports which are applicable

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

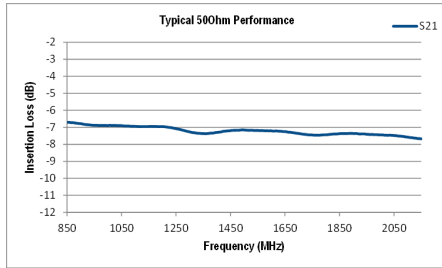




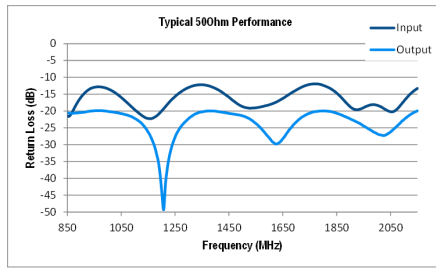
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Model Number:
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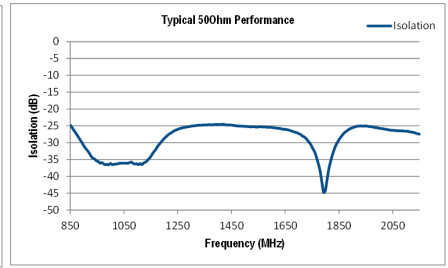
Scorpion 4-Way Passive Splitter/Combiner



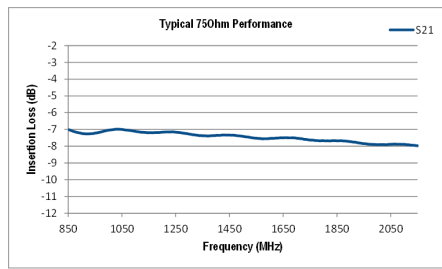
Insertion Loss (dB)



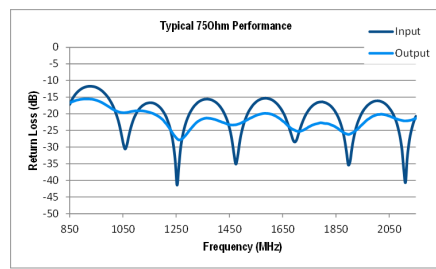
Return Loss (dB)



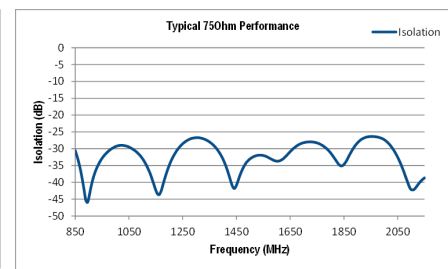
Isolation (dB)



Insertion Loss (dB)



Return Loss (dB)



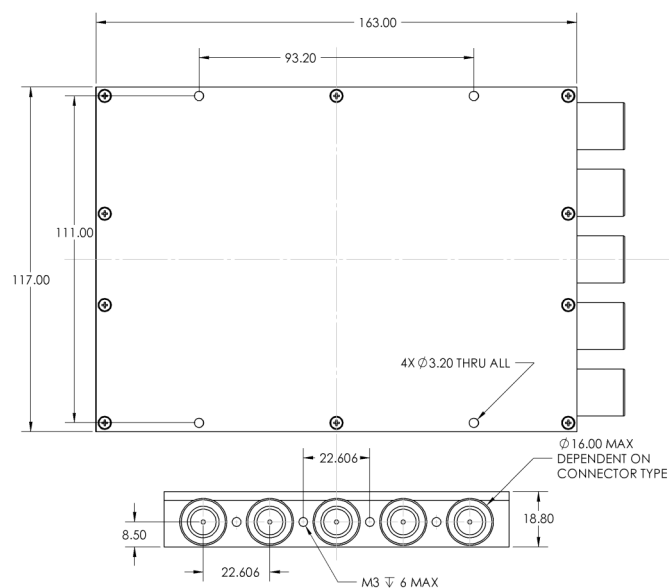
Isolation (dB)

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	+34 dBm (2.5W) As Splitter +27 dBm (0.5W) As Combiner
DC Voltage	35V on any RF port
DC Current	Max 1A Max total current
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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