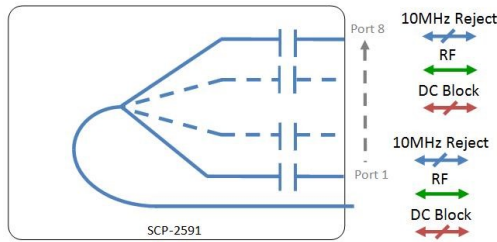




RF Components

# Scorpion 8-Way Passive Splitter/Combiner

850 - 2150 MHz

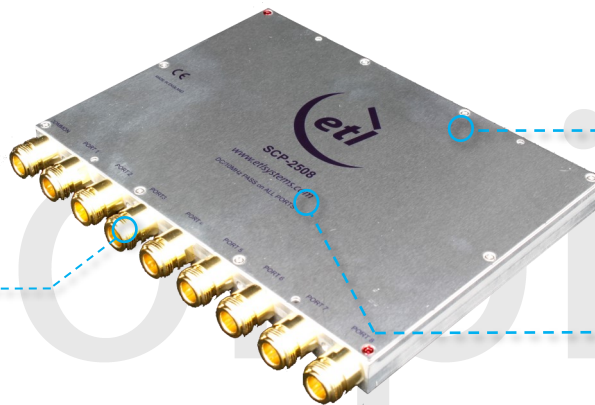


Model Number:  
**SCP-2591**

- All ports DC & 10 MHz 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-2591-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	
Insertion Loss (dB)	Typ.	1.2	1.2	1.5	2.5	2.5
	Max	2.2	2.2	2.5	3.5	3.5
Flatness ± (dB)	1.2	1.2	1.4	1.7	1.7	
Input Return Loss (dB)	Typ.	18	18	15	14	14
	Min	15	15	10	8	8
Output Return Loss (dB)	Typ.	23	23	20	15	15
	Min	16	16	16	8	8
Isolation (dB)	23	23	23	23	23	
Amplitude Balance (dB)	≤ 3	≤ 4	≤ 4	≤ 10	≤ 10	
Phase Balance (Φ)	≤ 0.3°	≤ 0.5°	≤ 0.5°	≤ 1.0°	≤ 1.0°	

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**



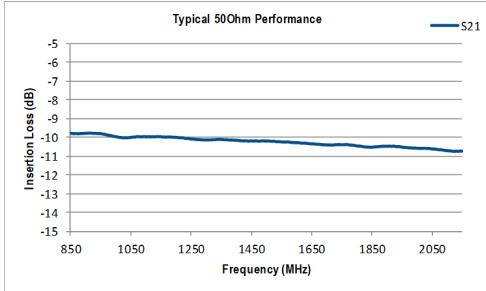


RF Components

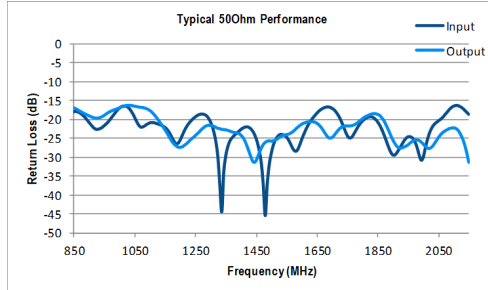
Model Number:  
**SCP-2591**

Scorpion 8-Way Passive Splitter/Combiner

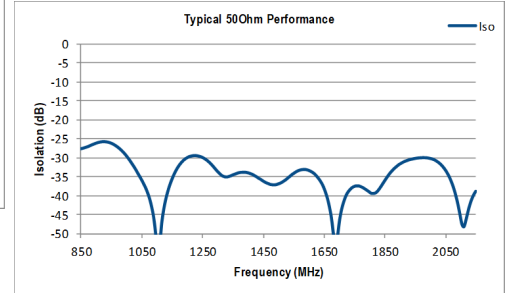
Technical specifications and operating parameters



Insertion Loss (dB)



Return Loss (dB)



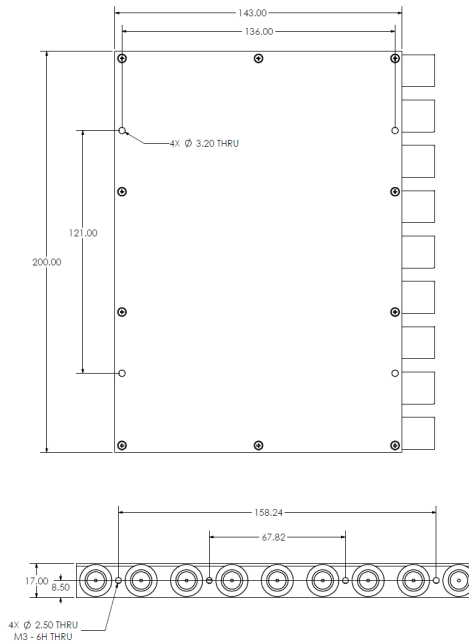
Isolation (dB)

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

**!** 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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