

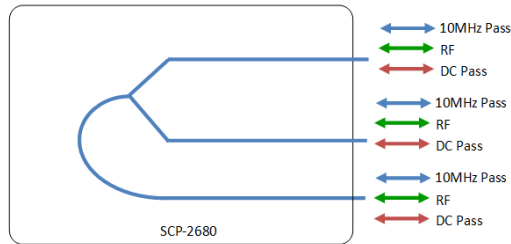


Model Number:
SCP-2680

RF Components

Scorpion 2-Way Passive Splitter/Combiner

10 - 3000 MHz



- All ports 10MHz & DC pass.
- 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



Compact
Housed in rugged compact enclosure

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

10-3000 MHz
Operating frequency range.

RF Parameters						
SCP-2680-XXXX	S5S5	N5N5	B5B5	S5S5	N5N5	B5B5
Frequency Range	10 - 300 MHz			300 - 3000 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	50Ω SMA	50Ω N-Type	50Ω BNC
Insertion Loss (dB)	Typ.	0.5	0.5	0.5	0.8	0.8
	Max	1.0	1.0	1.0	2.2	2.2
Flatness ± (dB)	0.5	0.5	0.5	1.2	1.2	1.2
Input Return Loss (dB)	Typ.	10	10	10	20	20
	Min	8	8	8	8	8
Output Return Loss (dB)	Typ.	10	10	10	20	20
	Min	8	8	8	10	10
Isolation (dB)	Typ.	5	5	5	10	10
Amplitude Balance (dB)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Phase Balance (Φ)	≤ 2°	≤ 2°	≤ 2°	≤ 2°	≤ 2°	≤ 2°

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*

Broadcast



Marine Oil & Gas



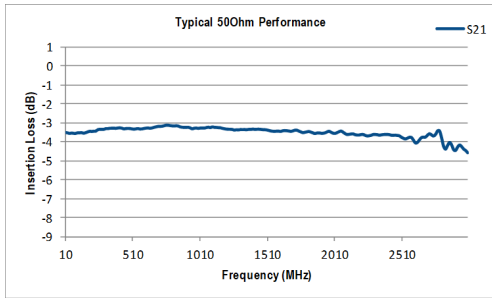
SNG & VSAT



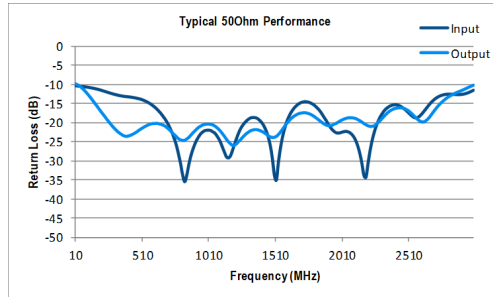
Satellite Teleport



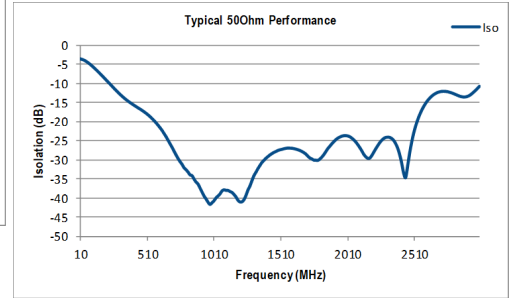
Technical specifications and operating parameters



Insertion Loss (dB)



Return Loss (dB)



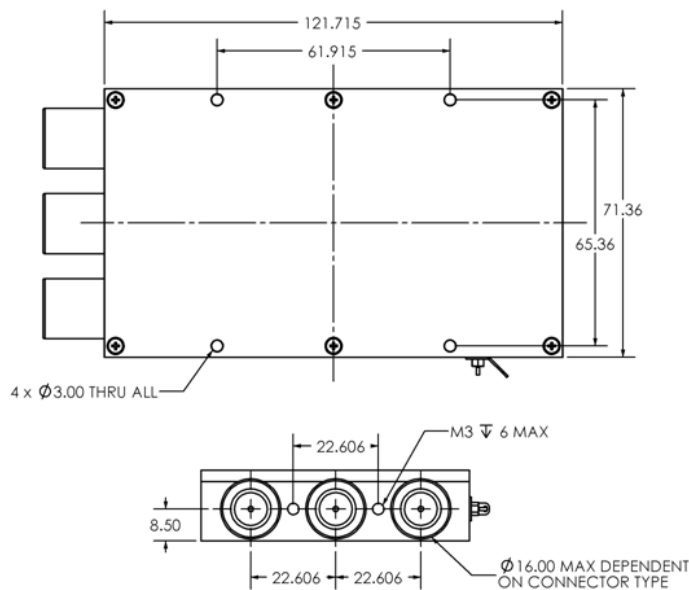
Isolation (dB)

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.