

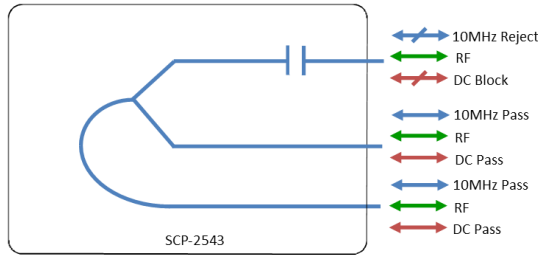


Model Number:
SCP-2543

RF Components

Scorpion 2-Way Passive Splitter/Combiner

850 - 2150 MHz



- Port 1, 10MHz & DC pass.
- Port 2, 10MHz & DC block.
- 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 systems

850-2150 MHz
Operating frequency range.

RF Parameters						
SCP-2543-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.	0.7	0.7	1.0	1.0	1.0
	Max	1.0	1.0	1.4	1.5	1.5
Flatness ± (dB)	0.4	0.4	0.4	0.6	0.6	
Input Return Loss (dB)	Typ.	18	18	18	18	18
	Min	15	15	14	14	14
Output Return Loss (dB)	Typ.	18	18	18	18	18
	Min	15	15	14	14	14
Isolation (dB)	Typ.	20	20	20	20	20
Amplitude Balance (dB)	≤ 0.3	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	
Phase Balance (Φ)	≤ 3°	≤ 4°	≤ 4°	≤ 4°	≤ 4°	

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



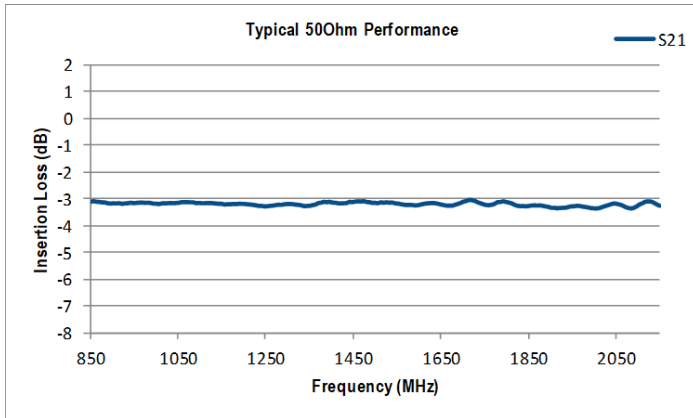
SNG & VSAT



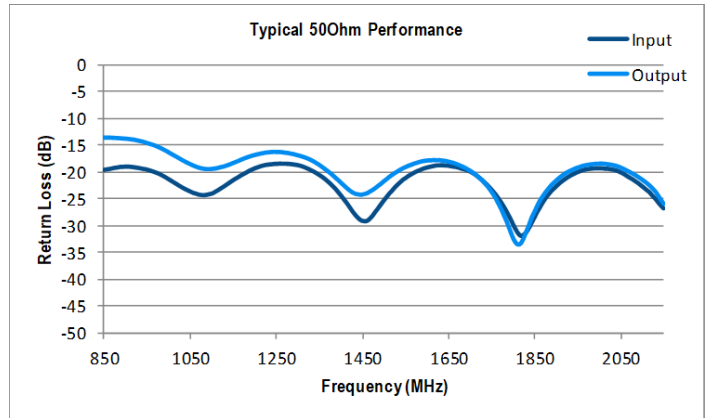
Satellite Teleport



Technical specifications and operating parameters



Insertion Loss (dB)



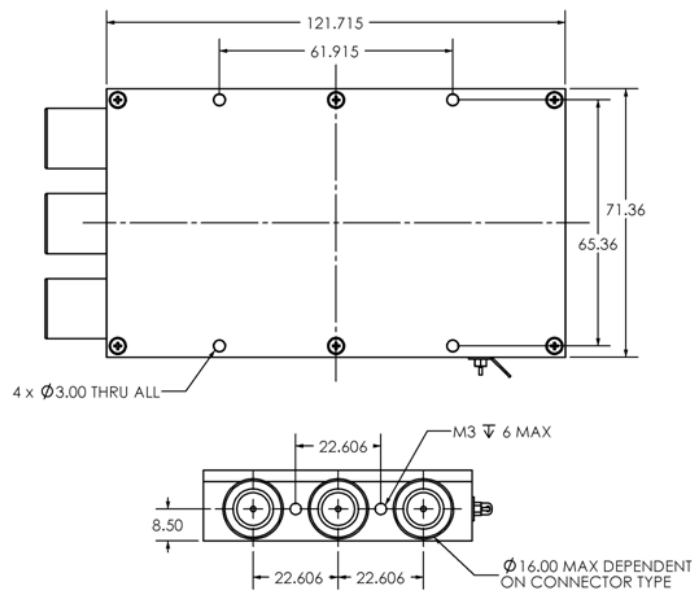
Return Loss (dB)

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.