etl
RF Components

8-Way IF-Band Passive Splitter/Combiner
50 - 1000 MHz

DC Block
RF
10MHz Pass

DC Block
RF
10MHz Pass

COM08F4P-2536
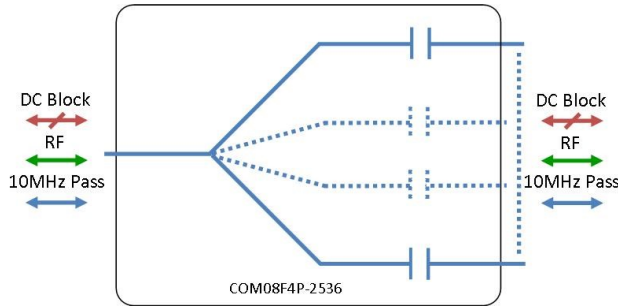
- All ports 10 MHz pass & DC blocked

Available with RF connector options:
- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type.

50 - 1000 MHz
Operating frequency range. L-Band ready

Compact
Housed in rugged compact enclosure

Flexible Mounting
Tapped screw & through hole mounting options

RF Parameters					
COM08F4P-2536-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	50 - 1000 MHz				
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Mean Insertion Loss (dB) Max	1.6	1.6	1.6	1.7	1.7
Flatness (dB)	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
Input Return Loss (dB) Typ.	15	15	15	12	12
Input Return Loss (dB) Min	12	12	12	8	8
Output Return Loss (dB) Typ.	20	20	20	12	12
Output Return Loss (dB) Min	17	17	17	8	8
Isolation (dB) Typ.	20	20	20	20	20
Amplitude Balance (dB)	≤ 0.8	≤ 0.8	≤ 1.0	≤ 1.2	≤ 1.2
Phase Balance (Φ)	≤ 5°	≤ 5°	≤ 5°	≤ 5°	≤ 5°

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*
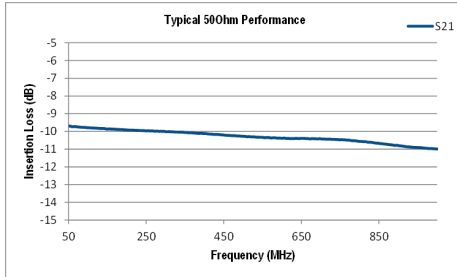*To ports which are applicable
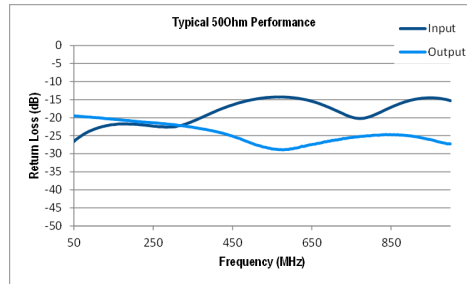
Broadcast
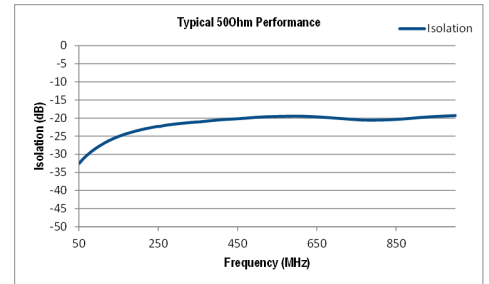
Marine Oil & Gas

SNG & VSAT

Satellite Teleport

Technical specifications and operating parameters

Insertion Loss (dB)

Return Loss (dB)

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	+21 dBm (125mW)
DC Voltage	35V on any RF port
DC Current	500mA
DC Consumption	100mA Max, 80mA typical

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

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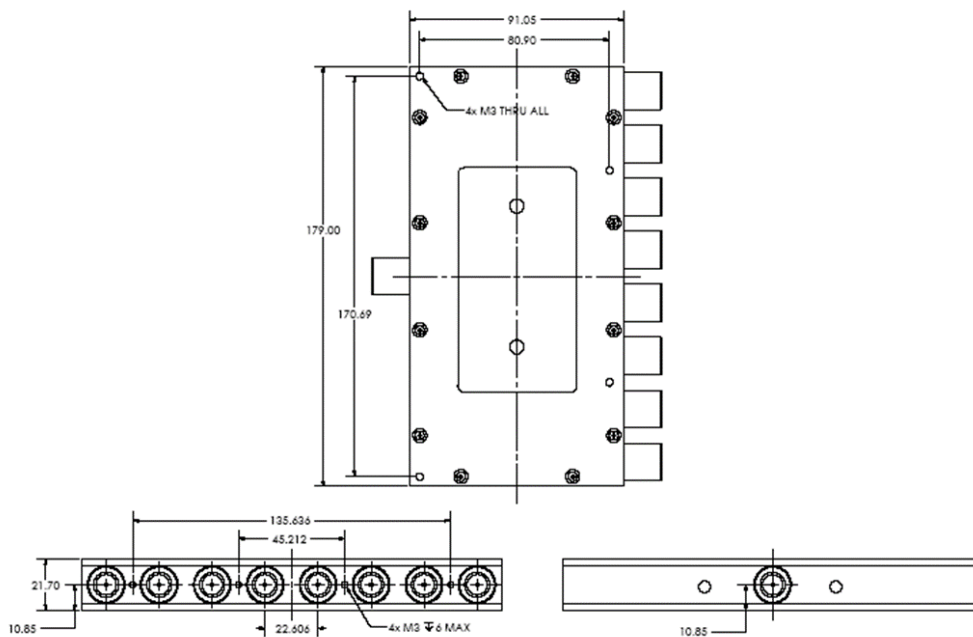
Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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