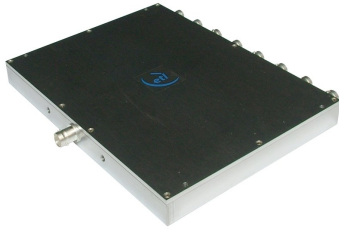




COM08C3P-2560

RF Engineering &
Custom Build

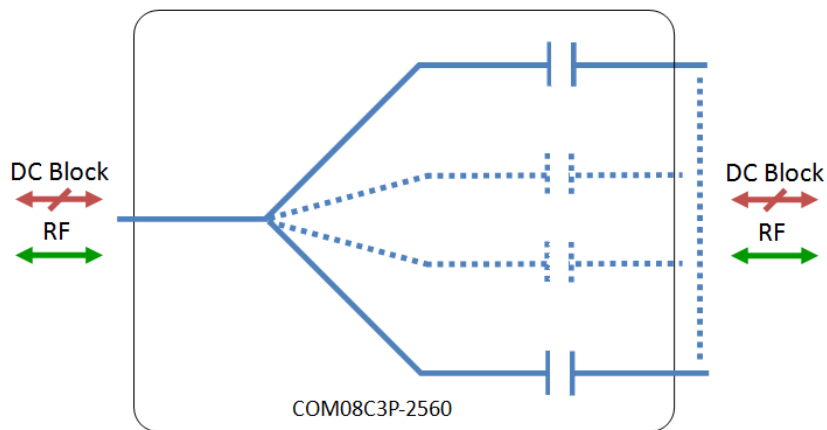
8-way C-band passive splitter/combiner



COM08C3P is a 8-way passive C-band (3.4 to 6.5 GHz) splitter/combiner with DC block on all ports.

This component is available with the following RF connector options: 50 Ω SMA, N-type, BNC and 75 Ω BNC or F-type.

Vector diagram



RF Parameters

COM08C3P-2560-xxxx	S5S5	N5N5
Frequency Range	3.4 to 6.5 GHz	3.4 to 6.5 GHz
RF Connectors	50 Ω SMA	50 Ω N-Type
Insertion Loss	2.0 dB typ	2.0 dB typ
	3.5 dB max	3.5 dB max
Input Return Loss	18 dB typ	18 dB typ
	10 dB min	10 dB min
Output Return Loss	18 dB typ	18 dB typ
	10 dB min	10 dB min
Isolation Typical (dB)	23	23
Phase & Amplitude Misalignment	3 Φ	4 Φ
	0.3dB	0.5dB

* The quoted insertion loss is loss above theoretical due to power split. For 8-way splitters theoretical value is 9dB. Typical values may vary between different production batches.

BROADCAST



MARINE OIL & GAS



SNG & VSAT



SATELLITE TELEPORT





COM08C3P-2560

RF Engineering &
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8-way C-band passive splitter/combiner

Environmental

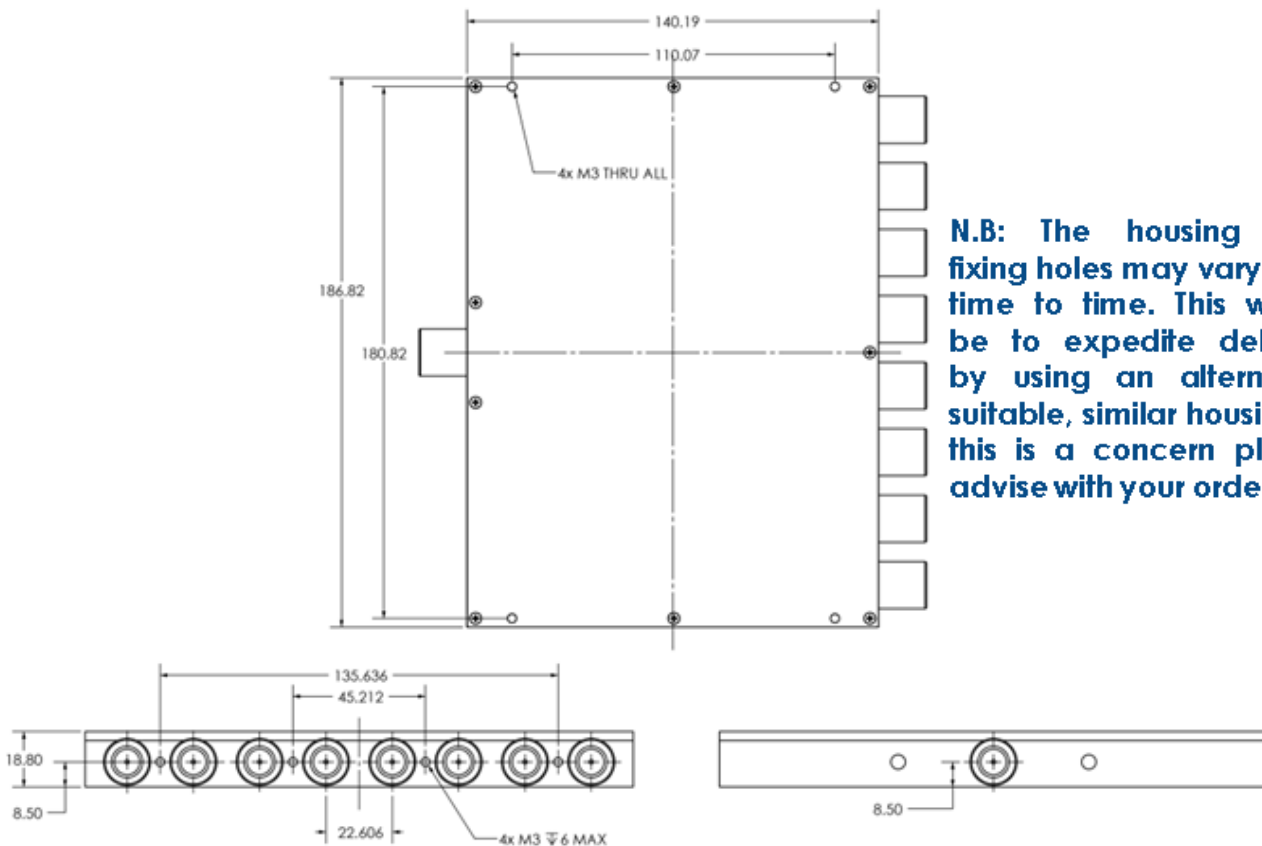
Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to +75°C
Location	Indoor use Only
Humidity	85% non-condensing
Altitude	10,000 feet

Max Operating Parameters

Input RF Power	+37 dBm (5W) As Splitter
Input RF Power	+27 dBm (0.5W) As Combiner
DC Voltage	35V on any RF port
DC Current	N/A

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

Physical dimensions



N.B: The housing and fixing holes may vary from time to time. This would be to expedite delivery by using an alternative suitable, similar housing. If this is a concern please advise with your order.

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