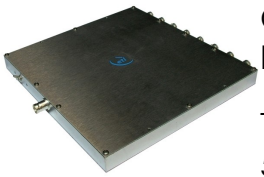
COM08S2P-2600

RF Engineering & Custom Build

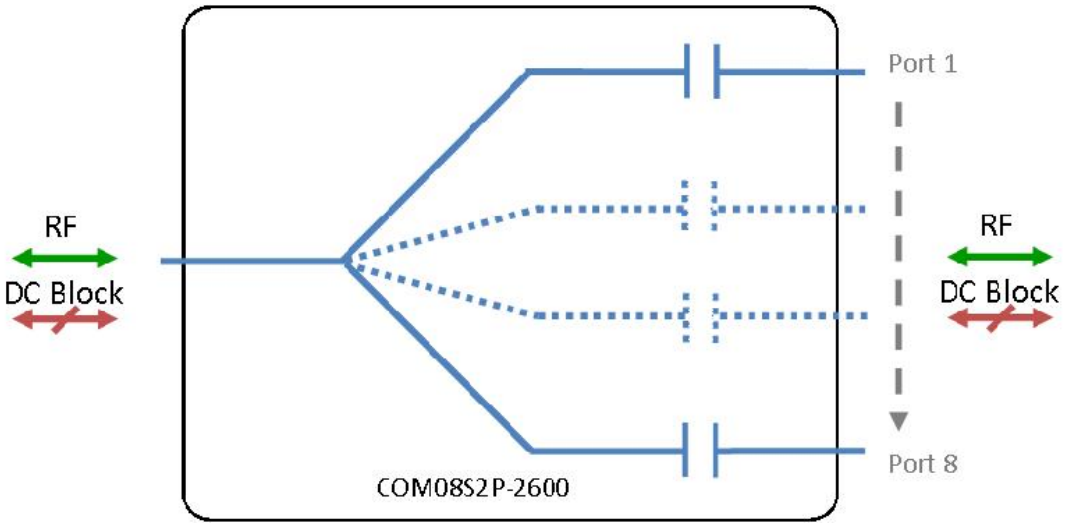
8-way S-band passive splitter/combiner



COM08S2P-2600 is a 8-way passive S-band splitter/combiner with DC block on all ports.

This component is available with the following RF connector options: 50 Ω SMA and N-type.

Vector diagram



RF Parameters		
COM08S2P-2600	S5S5	N5N5
Frequency Range (MHz)	850-2500	850-2500
RF Connectors	50Ω SMA	50Ω N-Type
Return Loss	18 dB typ	18 dB typ
	10 dB min	10 dB min
Insertion Loss	1.8 dB typ	1.8 dB typ
	3.0 dB max	3.0 dB max
Isolation Typical	23 dB	23dB

** The quoted insertion loss is loss above theoretical due to power split. For 8-way splitters theoretical value is 9dB.*

BROADCAST

MARINE OIL & GAS

SNG & VSAT

SATELLITE TELEPORT

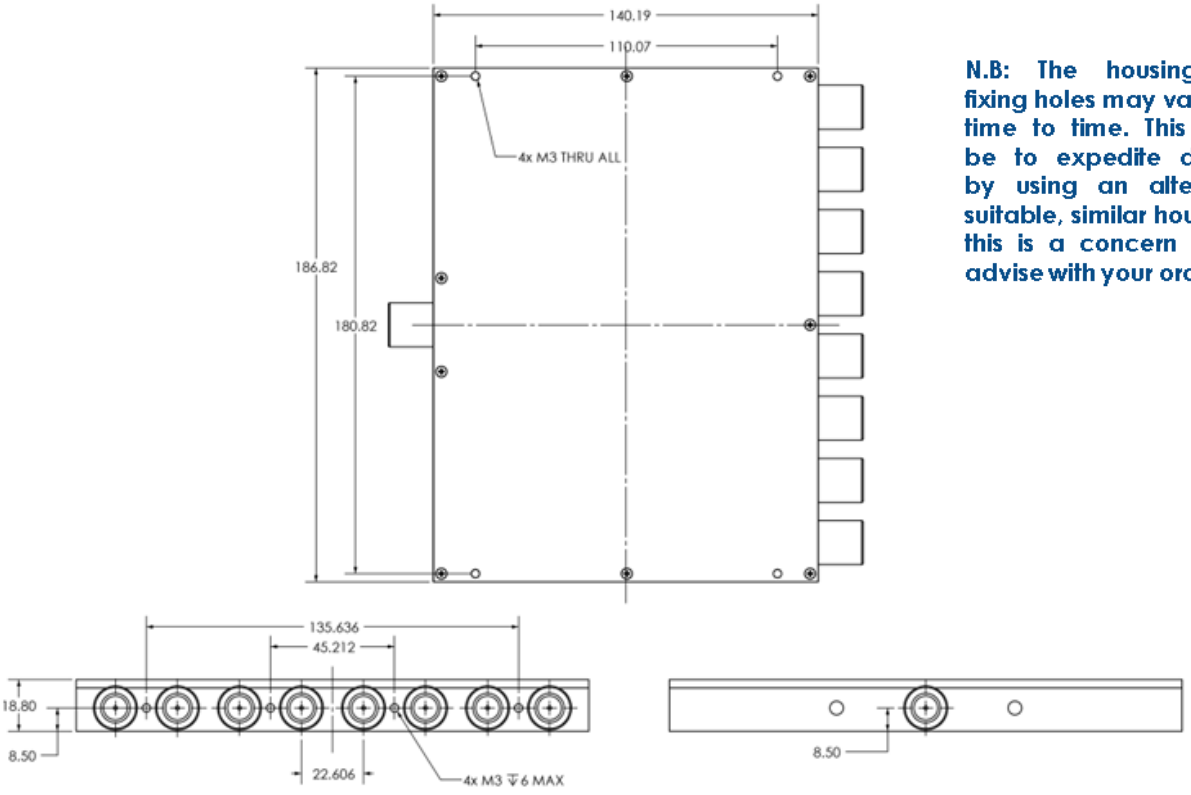
8-way S-band passive splitter/combiner

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	37dBm (5W)
DC Voltage	50V 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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8-way S-band passive splitter/combiner

Feature set for alternative 8-way Passive S-band splitters/combiners

Model Number	Frequency (MHZ)	DC Pass/Block	10MHz Pass/Block
COM08S3P-2518	500 - 2400	DC pass on ALL ports	10MHz pass on ALL ports
COM08S1P-2605	500 - 2750	DC pass on ALL ports	
COM08S2P-2600	850 - 2500	DC block on ALL ports	
COM08S1P-2624	500 - 2750	DC block on ALL ports	

** Custom designs available on request*

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