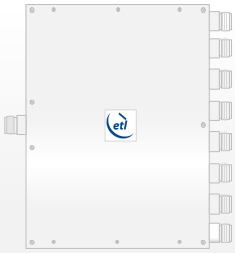
COM08C1P-2567

8-way Passive C-band Splitter/Combiner



COM08C1P-2567 is a 8-way passive C-band (3.4 to 4.2GHz) splitter/combiner with DC block.

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

Summary table for RF performance over C-band operation, 3.4 GHz to 4.2 GHz

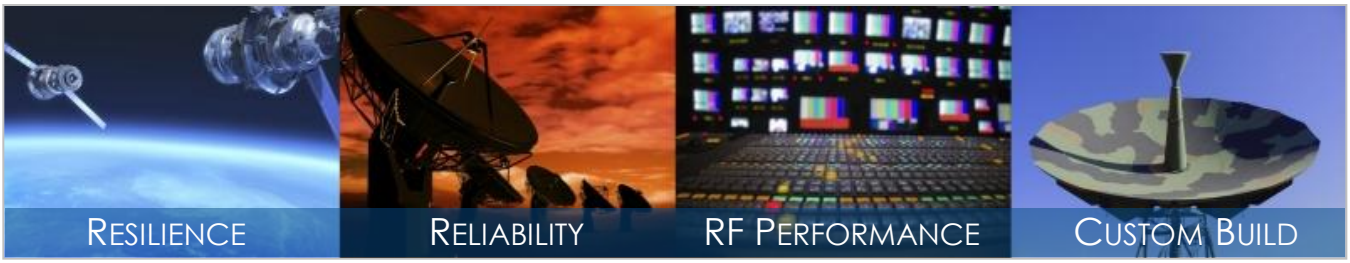
Model Numbers	RF Ports	Insertion Loss* (dB) Typ.	Max	Isolation Typical (dB)	Return Loss (dB) Typ.	Min	Phase & Amplitude Misalignment Φ	Amp(dB)
COM08C1P-2567-S5S5	50Ω SMA	1.5	2.1	25	20	10	1.5	0.2
COM08C1P-2567-N5N5	50Ω N-type	1.5	2.1	23	18	10	1.5	0.3

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

Maximum acceptable operating parameters for reliable and safe operation

Parameter	Value	*Comment*
Input RF power	+37 dBm (5W)	Max total RF power
DC Voltage	50V / 500mA	Any RF port : **3A Max if SMA or F type connector**
Operating temperature	0 to 45 C	Indoor use only
Storage Temperature	-20 C to +75 C	
Humidity	85%	Non-condensing

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



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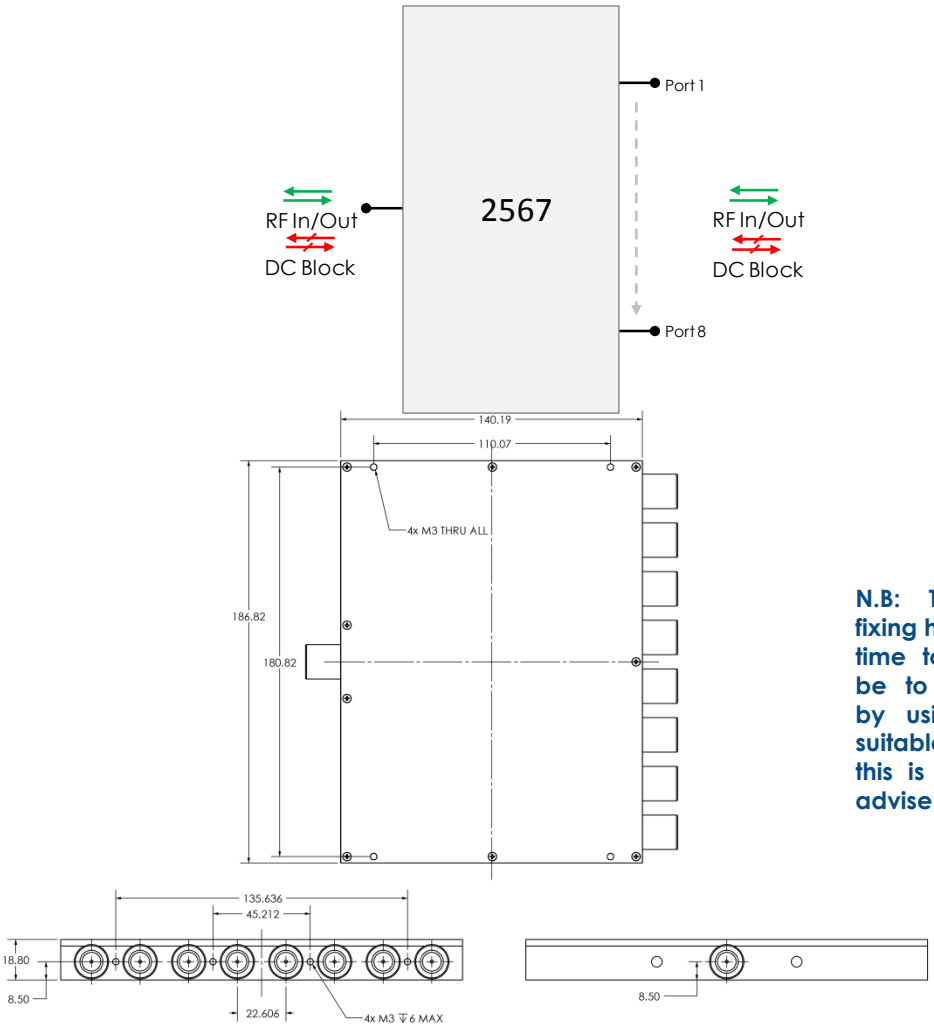
8-way Passive C-band Splitter/Combiner

Vector diagram & 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.

Feature set for a selection of 8-way passive L-band splitters/combiners

Model Number	DC Pass/Block	Frequency
COM08C1-2567	DC block on ALL ports	3.4 – 4.2 GHz
COM08C2-2568	DC block on ALL ports	5.8 – 6.5 GHz
COM08C3-2360	DC block on ALL ports	3.4 – 6.5 GHz
COM08C4-2569	DC block on ALL ports	2.0 – 4.2 GHz

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ETL Systems design, develop and manufacture specialist equipment for satellite ground stations. For a full description of the ETL product range, please see our website at *www.etlsystems.com*. This product range provides the basis for meeting your specific demands.

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