



## 8-way Passive IF (50 to 1000MHz) Splitter/Combiner



COM08F4P-2536 is 8-way passive IF splitter/combiner with 10MHz pass and DC blocks on all ports, covering 10 to 1000 MHz IF band.

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

Summary table for RF performance over 50 to 1000 MHz

Model Numbers	RF Ports	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	Φ	Amp(dB)
COM08L1P-2536-S5S5	50Ω SMA	1.5	2.2	20	15	10	10°	1.0
COM08L1P-2536-N5N5	50Ω N-type	1.5	2.2	20	15	10	10°	1.0
COM08L1P-2536-B5B5	50Ω BNC	1.8	2.5	20	15	10	10°	1.0
COM08L1P-2536-B7B7	75Ω BNC	1.8	3.0	20	15	10	10°	1.0
COM08L1P-2536-F7F7	75Ω F-type	2.0	3.0	18	12	8	10°	1.0

\* The quoted insertion loss is loss above theoretical due to power split. For 8-way splitters theoretical value is 9dB. 10 MHz insertion loss is 3dB max above the theoretical. Typical values may vary between different production batches.

### 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	Any RF port
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.

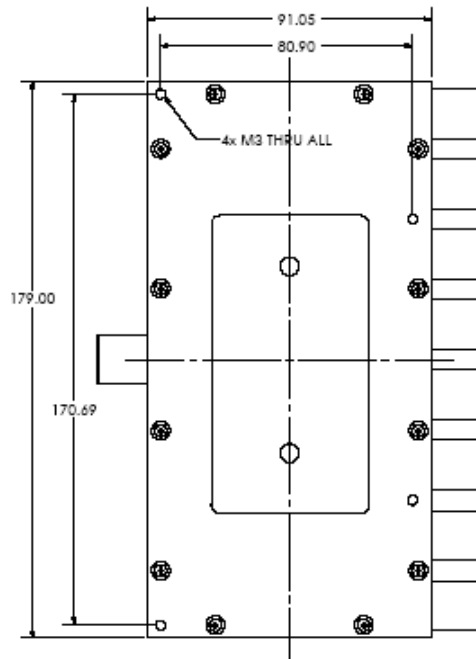
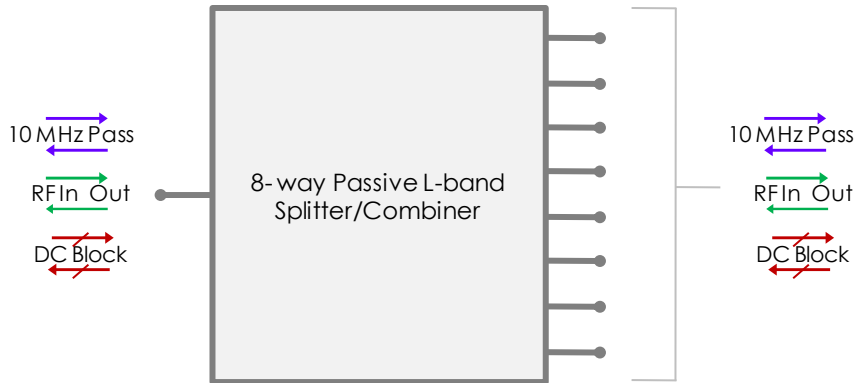


# COM08F4P-2536

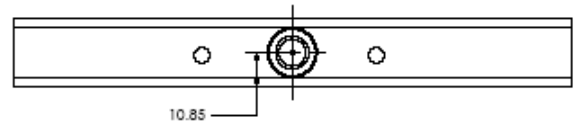
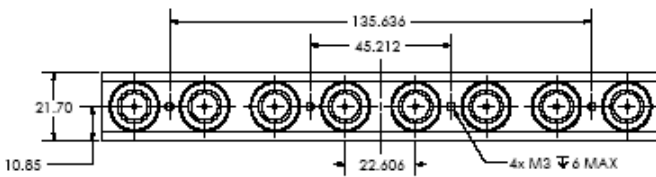
8-way Passive L-band Splitter/Combiner



## 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.



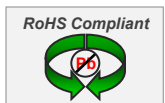
## Feature set for a selection of 8-way passive IF splitters/combiners

Model Number	DC Pass/Block	10 MHz Pass/Block	Other features
COM08F4P-2536	DC block on ALL ports	10MHz pass on ALL ports	50 to 1000 MHz
COM08F2P-2580	DC block on ALL ports	10MHz pass on ALL ports	10 to 200 MHz



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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](http://www.etlsystems.com). This product range provides the basis for meeting your specific demands.



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