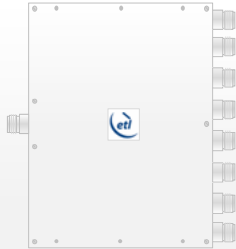


8-way Passive L-band Splitter/Combiner



COM08L1P-2533 is a 8-way passive L-band splitter/combiner with DC pass from the common port to one output port and DC block on all other ports.

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 L-band operation, 850 MHz to 2150 MHz

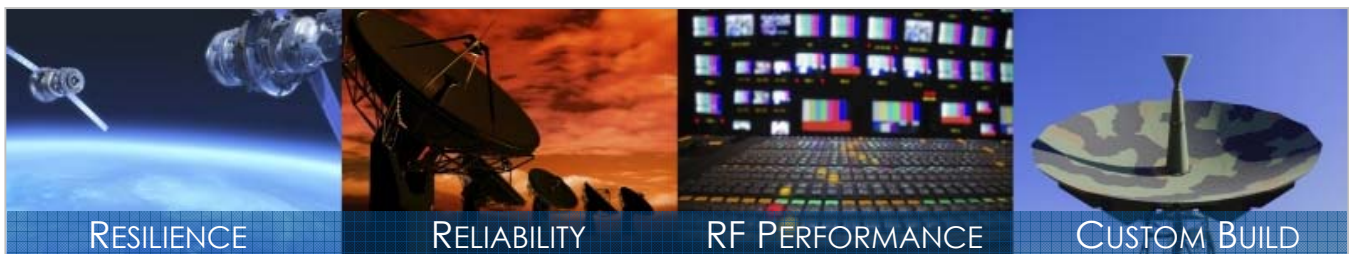
Model Numbers	Conn.	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	Φ	Amp(dB)
COM08L1P-2533-S5S5	50 Ω SMA	1.5	2.1	25	20	10	1.5	0.2
COM08L1P-2533-N5N5	50 Ω N-type	1.5	2.1	23	18	10	1.5	0.3
COM08L1P-2533-B5B5	50 Ω BNC	1.6	2.4	21	15	10	1.5	0.3
COM08L1P-2533-B7B7	75 Ω BNC	1.8	2.8	21	15	10	2.0°	0.4
COM08L1P-2533-F7F7	75 Ω F-type	2.0	3.0	18	12	8	2.5°	0.5

* 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.



RESILIENCE

RELIABILITY

RF PERFORMANCE

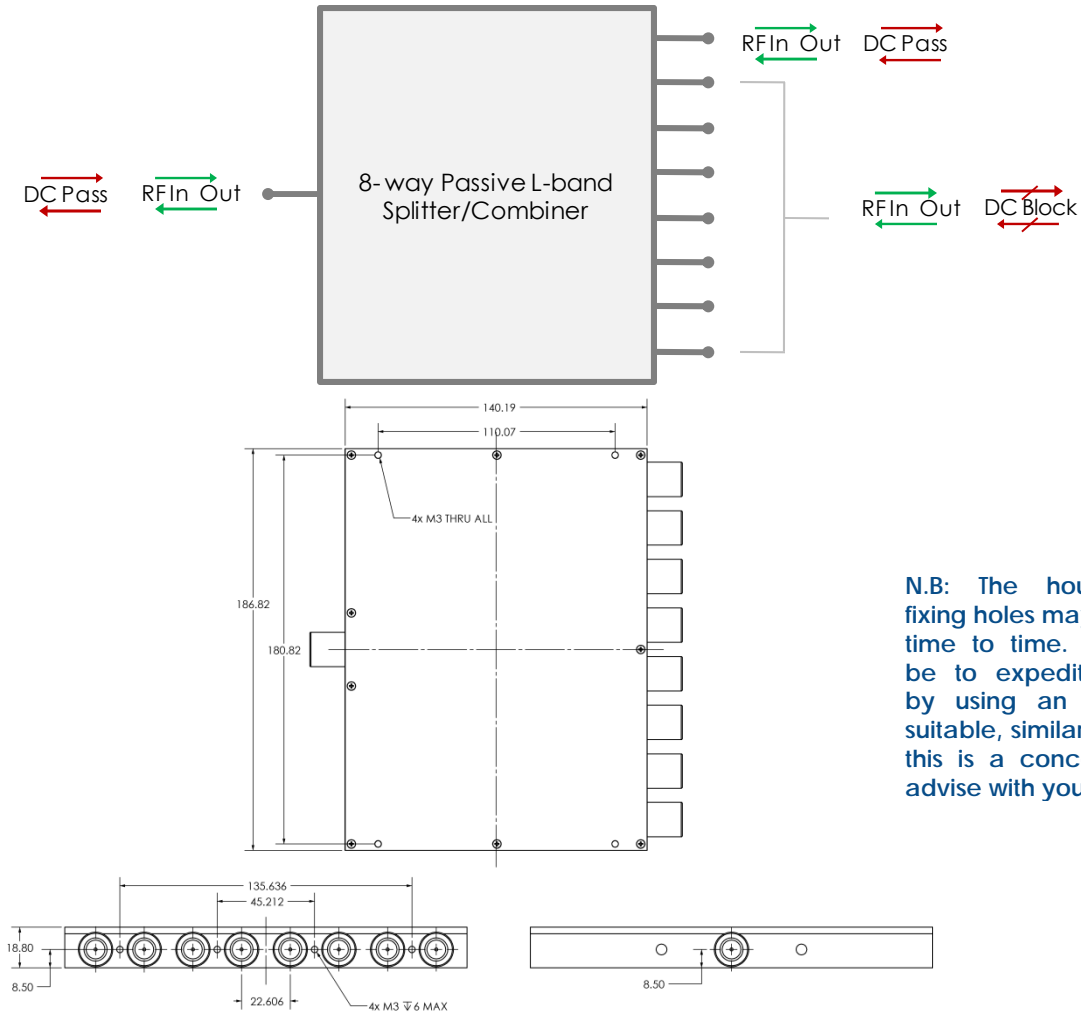
CUSTOM BUILD

COM08L1P-2533

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.

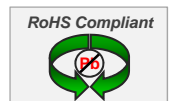
Feature set for a selection of 8-way passive L-band splitters/combiners

Model Number	DC Pass/Block	10 MHz Pass/Block	Other features
COM08L1P-2508	DC pass on ALL ports	10MHz pass on ALL ports	
COM08L1P-2529	DC block on ALL ports		
COM08L1P-2533	DC pass from common to port-1 and the others are DC blocked		
COM08L1P-2544	DC block on ALL ports	10MHz pass on ALL ports	
COM08L1P-2564	DC pass from common to port-1 and the others are DC blocked	10MHz pass from common to port-1 and the others are D10MHz blocked	
COM08L2P-2519			Integrated coupler



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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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