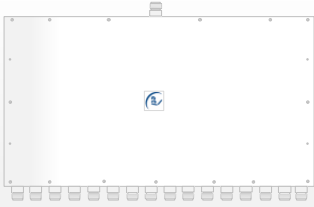


# 16-way Passive L-band Splitter/Combiner



COM16L1P-2592 is a 16-way passive L-band splitter/combiner with 10MHz and DC block on all ports.

This component is available with the following RF connector options: 50  $\Omega$  SMA, N-type, BNC and 75  $\Omega$  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	$\Phi$	Amp(dB)
COM16L1P-2531-S5S5	50 $\Omega$ SMA	2.0	3.2	23	20	10	3	0.3
COM16L1P-2531-N5N5	50 $\Omega$ N-type	2.2	3.5	20	18	10	4	0.5
COM16L1P-2531-B5B5	50 $\Omega$ BNC	2.4	3.5	20	15	10	4	0.5
COM16L1P-2531-B7B7	75 $\Omega$ BNC	2.8	4.0	20	14	10	6	0.7
COM16L1P-2531-F7F7	75 $\Omega$ F-type	3.0	4.5	18	10	8	10	1.0

\* The quoted insertion loss is loss above theoretical due to power split. For 16-way splitters theoretical value is 12dB. 10 MHz rejection is typically 25dB, minimum is 20dB. 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.

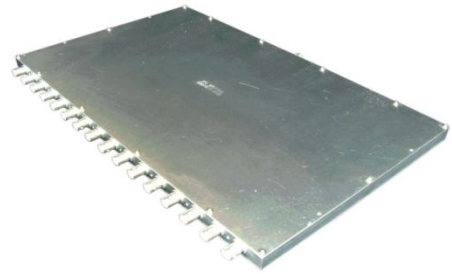
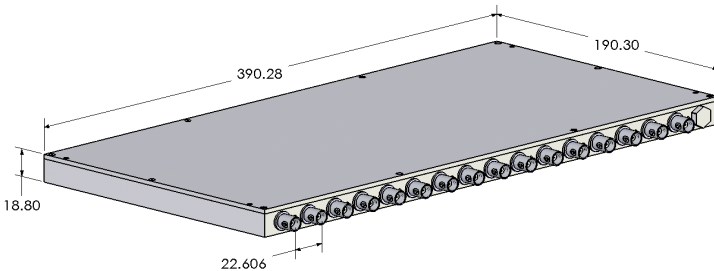
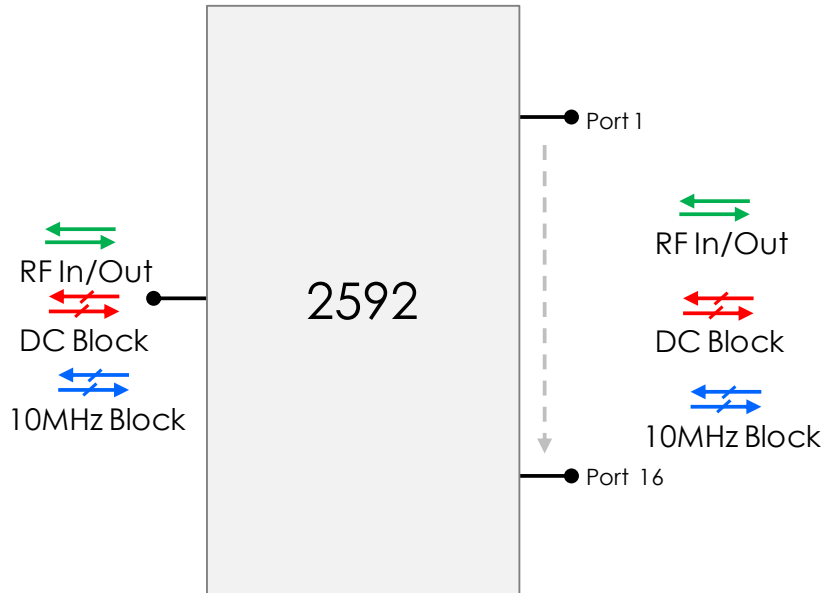


# COM16L1P-2592

16-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.

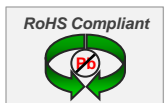
## Feature set for some alternative 16-way Passive L-band splitters/combiners

Model Number	DC Pass/Block	10 MHz Pass/Block	Other features
COM16L1P-2526	DC pass on ALL ports	10MHz pass on ALL ports	
COM16L1P-2531	DC block on ALL ports		
COM16L1P-2546	DC block on ALL ports		
COM16L1P-2547	DC pass on ONE port only, DC block on all other ports	10MHz pass on ONE port only, 10MHz block on all other ports	
COM16L1P-2558	DC block on ALL ports	10MHz block on common port	
COM16L1P-2558	DC block on ALL ports	10MHz block on common port	Typically 25dB 10MHz rejection.



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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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