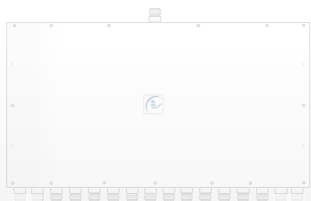




# 12-way Passive L-band Splitter/Combiner



COM12L1P-2622 is a 12-way L-band passive equalised splitter or combiner. All RF ports are DC Blocked and 10MHz pass.

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	RF Ports	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	$\Phi$	Amp(dB)
COM12L1P-2622-S5S5	50 $\Omega$ SMA	1.7	2.3	25	20	14	1.5	0.2
COM12L1P-2622-N5N5	50 $\Omega$ N-type	1.7	2.3	23	18	13	1.5	0.3
COM12L1P-2622-B5B5	50 $\Omega$ BNC	1.8	2.7	21	15	10	1.5	0.3
COM12L1P-2622-B7B7	75 $\Omega$ BNC	2.0	3.0	21	15	10	2.0°	0.4
COM12L1P-2622-F7F7	75 $\Omega$ F-type	2.2	3.2	18	12	8	2.5°	0.5

\* The quoted insertion loss is loss above theoretical due to power split. For 12-way splitters theoretical value is 10.8dB.

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
Operating temperature	0 to 55°C	Indoor use only
Storage Temperature	-20°C to +75°C	
Humidity	85%	Non-condensing
Altitude	10,000 feet	Above Mean See level

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



RESILIENCE



RELIABILITY



RF PERFORMANCE



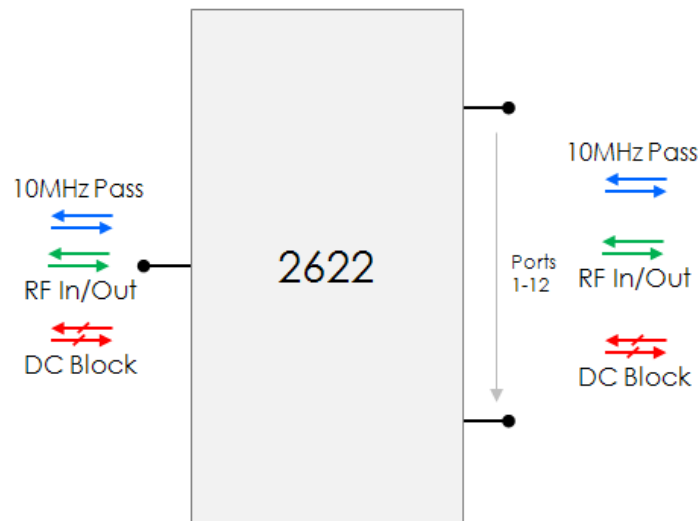
CUSTOM BUILD

# COM12L1P-2607

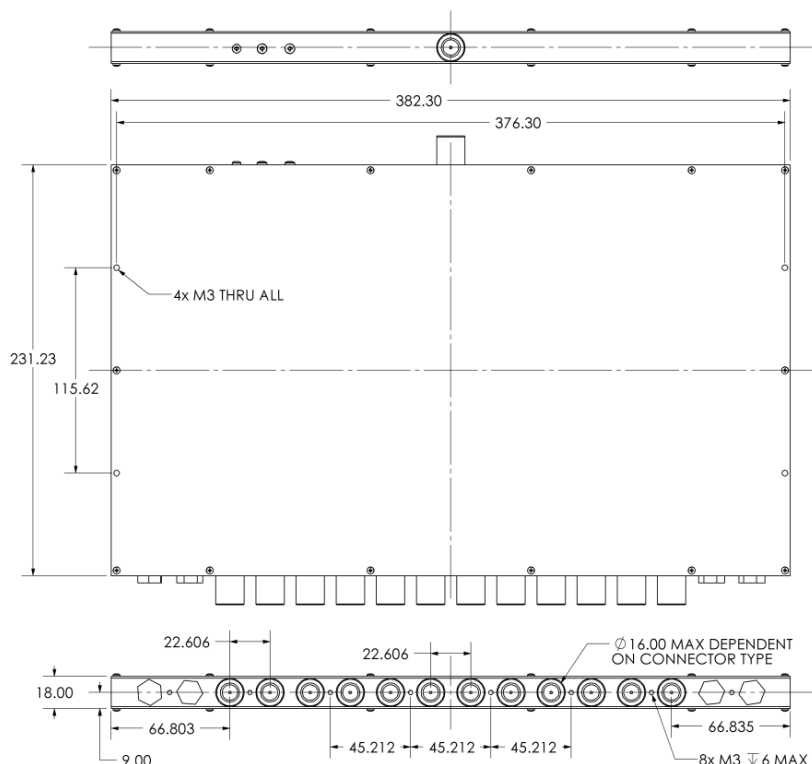
12-way Passive L-band Splitter/Combiner



Vector diagram

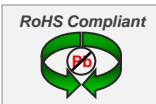


Physical dimensions



ETL Systems Ltd, Coldwell Radio Station, Madley, Hereford, HR2 9NE, England

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.



Tel +44 (0)1981 259020  
Fax +44 (0)1981 259021  
[info@etlsystems.com](mailto:info@etlsystems.com)