COM02L1P-2606

2-way Passive L-band Splitter/Combiner

COM02L1P-2606 is a 2-way L-band passive splitter or combiner with10MHz pass and DC block.

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

Typical performance over L-band frequency range, 850MHz to 2150MHz

Model Number	Connector type & impedance	Insertion Loss* (dB)		Isolation Typ. (dB)	Return Loss Ports 1 & 2		Return Loss Common Port		Phase & Amplitude misalignment	
		Typ.	Max.		Typ.	Max.	Typ.	Max.	Φ	Amp(dB)
COM02L1P-2606-S5S5	50Ω SMA	0.4	0.7	23	18	14	18	12	2	0.10
COM02L1P-2606-N5N5	50Ω N-type	0.5	0.8	20	20	14	17	12	2	0.10
COM02L1P-2606-B5B5	50Ω BNC	0.5	0.8	20	18	14	15	10	2	0.10
COM02L1P-2606-B7B7	75Ω BNC	0.6	1.0	20	15	12	14	10	3	0.15
COM02L1P-2606-F7F7	75Ω F-type	0.7	1.2	17	12	8	12	8	4	0.20

•The quoted insertion loss is loss above theoretical due to power split. For 2-way splitters theoretical value is 3dB. 10 MHz insertion loss is 1dB 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	+16 dBm	Max total RF power
DC Rating: **Max Voltage**	48 V	Any RF port
Max Current	All ports are DC blocked	
Operating temperature	0 to 45°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.

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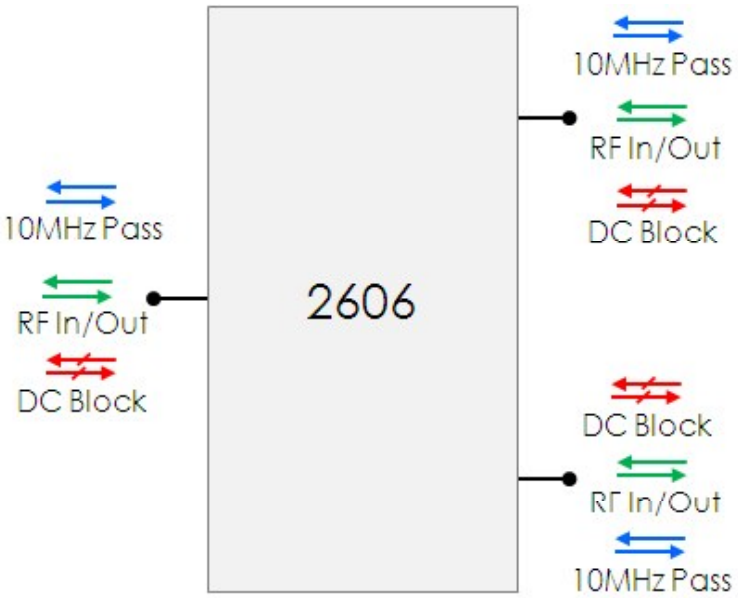
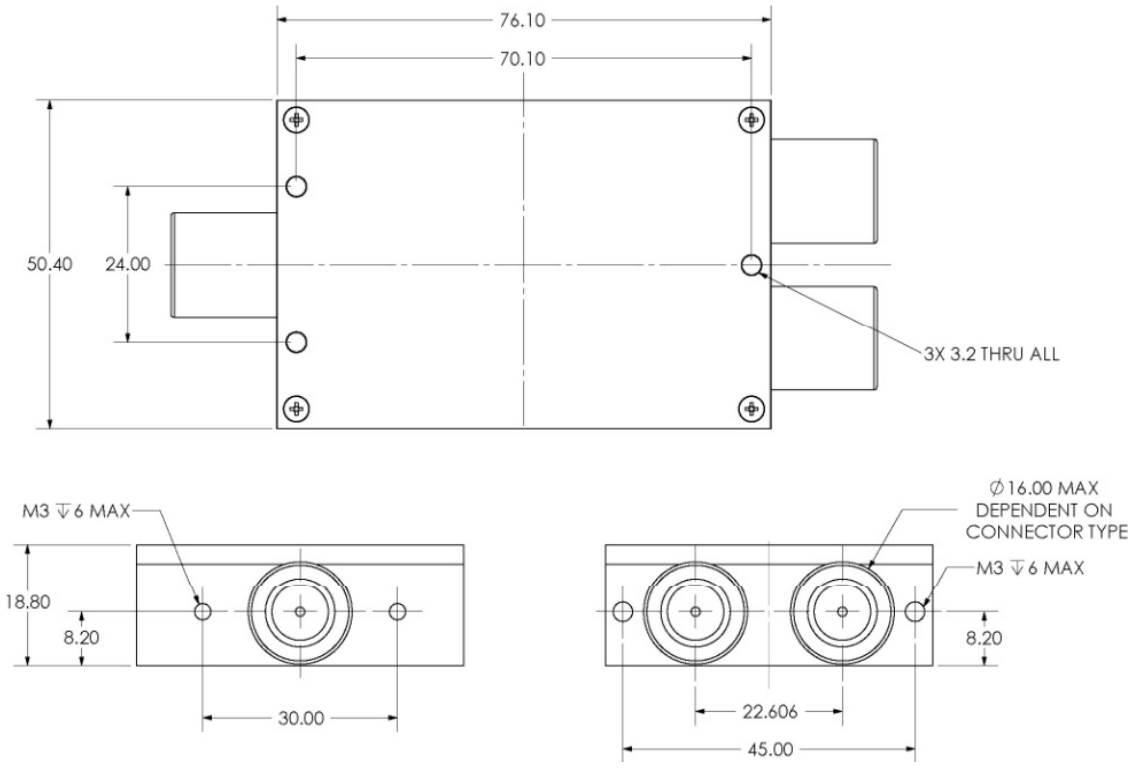
Vector diagram



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*. This product range provides the basis for meeting your specific demands.

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COM02L1P-2606

2-way Passive L-band Splitter/Combiner

Feature set for alternative 2-way Passive L-band splitters/combiners

Model Number	DC Pass/Block	10 MHz Pass/Block	LNB/DC injection
COM02L1P-2501	DC block on ALL ports		
COM02L1P-2502	DC pass on ALL outputs ports	10 MHz pass on ALL ports	
COM02L1P-2505	DC block on ALL ports		LNB Bias feed on common port
COM02S1P-2506	DC block on ALL ports		
COM02S1P-2507	DC pass on ALL outputs ports	10 MHz pass on ALL ports	
COM02L1P-2541	DC block on ONE port	10 MHz pass on ALL ports	
COM02L1P-2542	DC block on ALL ports	10 MHz pass on ALL ports	LNB Bias feed on common port
COM02L1P-2562	DC pass from ALL outputs to common, DC block between outputs		
COM02L1P-2574	DC block on ALL ports	10 MHz rejection	
COM02L1P-2576	DC block on ALL ports		LNB injection on common port by DC injection via filter-con
COM02L1P-2599	DC block on ONE port, DC pass on the other		Extended band covers 500 to 2750MHz
COM02L1P-2603	DC block on ALL ports	10 MHz rejection	
COM02L1P-2606	DC pass on ALL outputs ports	10 MHz pass on ALL ports	

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ISO 9001 certified

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