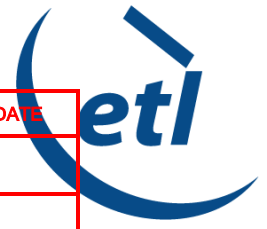


COM02L1P-2541



2-way Passive L-band Splitter/Combiner

	INITIAL	DATE
PREPARED		
CHECKED		
APPROVAL (DESIGN)		
APPROVAL (TEST)		
DATASHEET UPLOADED		



COM02L1P-2541 is a 2-way passive L-band splitter/combiner with DC block on a single output port and 10MHz pass on both output 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

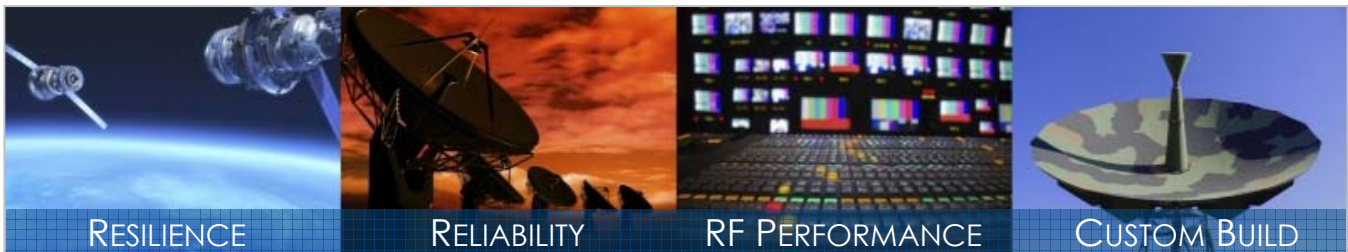
Model Numbers	Conn.	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude misalignment	
		Typical	Max		Typical	Min	Φ	Amp(dB)
COM02L1P-2541-S5S5	50Ω SMA	0.4	0.6	23	21	16	2	0.10
COM02L1P-2541-N5N5	50Ω N-type	0.5	0.8	20	20	15	2	0.10
COM02L1P-2541-B5B5	50Ω BNC	0.5	0.8	20	18	15	2	0.10
COM02L1P-2541-B7B7	75Ω BNC	0.6	1.0	20	15	12	3	0.15
COM02L1P-2541-F7F7	75Ω F-type	0.7	1.2	17	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 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 / 5A	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

