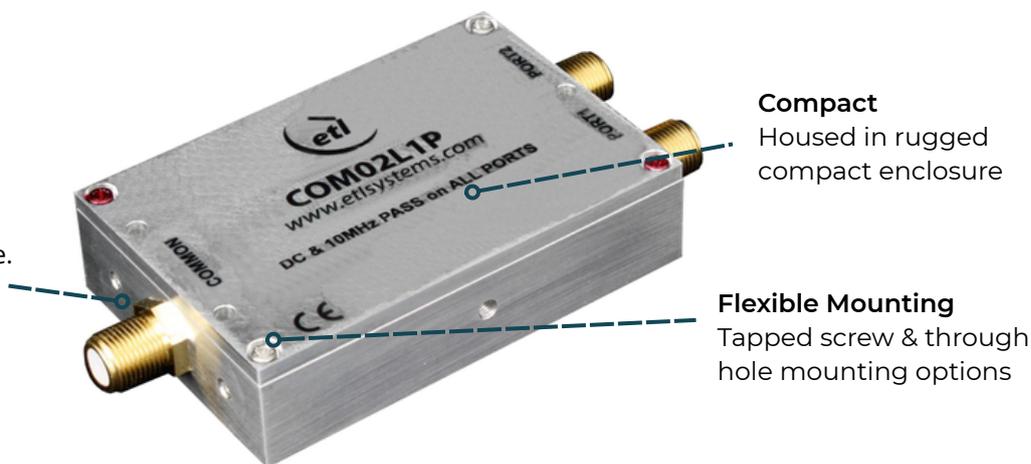


2-Way Passive L-Band Splitter/Combiner

850 - 2150 MHz



850-2150 MHz
Operating frequency range.
L-Band ready

Compact
Housed in rugged
compact enclosure

Flexible Mounting
Tapped screw & through
hole mounting options

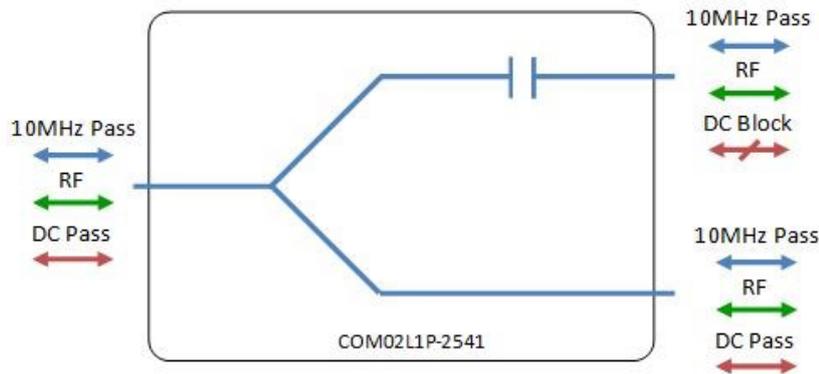
RF Parameters						
COM02L1P-2541-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	850 - 2150 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Mean Insertion Loss (dB)	0.4±0.2	0.4±0.2	0.4±0.2	0.5±0.2	0.5±0.2	
Flatness ± (dB)	0.3	0.3	0.3	0.3	0.3	
Input Return Loss (dB)	Typ.	20	20	20	20	20
	Min.	16	16	16	16	16
Output Return Loss (dB)	Typ.	26	26	26	26	26
	Min.	18	18	18	18	18
Isolation (dB)	Typ.	25	25	25	25	25
	Min.	20	20	20	20	20
Amplitude Balance (dB)	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.5	≤ 0.5	
<p><i>The given Insertion Loss specified is the loss above the theoretical limit for a lossless divider</i></p> <p><i>10MHz Insertion Loss is up to 3dB above the theoretical loss*</i></p> <p><i>10MHz Rejection is 20dB*</i></p> <p><i>*To ports which are applicable</i></p>						

Environmental		
Operating Temperature	0°C to +45°C	
Storage Temperature	-20°C to +75°C	
Location	Indoor use Only	
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

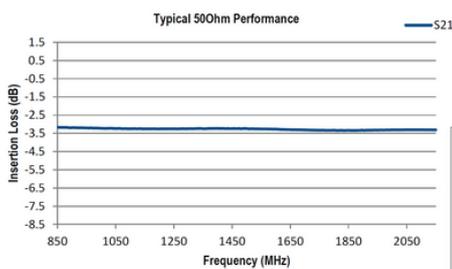
Max Operating Parameters		
Input RF Power into matched load with 20dB return loss	+27dBm (500mW) as combiner +37dBm (5W) as splitter	
DC Voltage	35V on any RF port	
DC Consumption	N/A	
DC Current	Max	500mA

Operation beyond these limits may cause instantaneous and permanent damage.

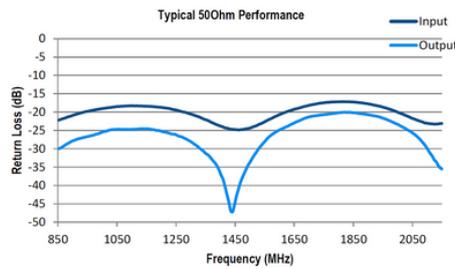
Diagram



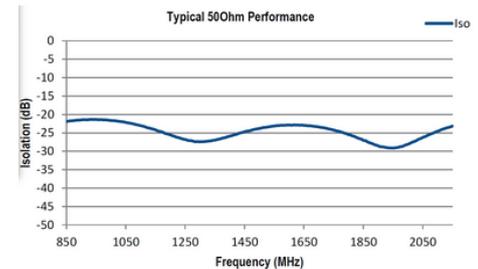
Technical specifications and operating parameters



INSERTION LOSS

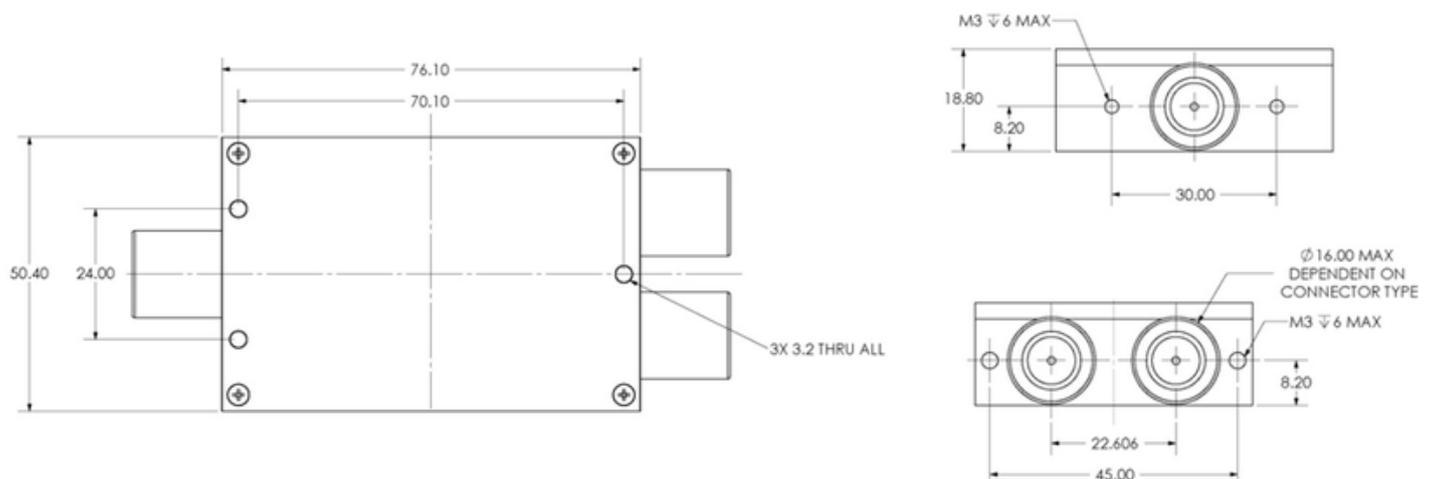


RETURN LOSS



ISOLATION

Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.