

## 2-way Passive IF-band Splitter/Combiner



COM02F2P-2557 is a 2-way passive IF (50 to 200MHz) splitter/combiner with DC block on one output port.

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 IF operation, 50 MHz to 200 MHz

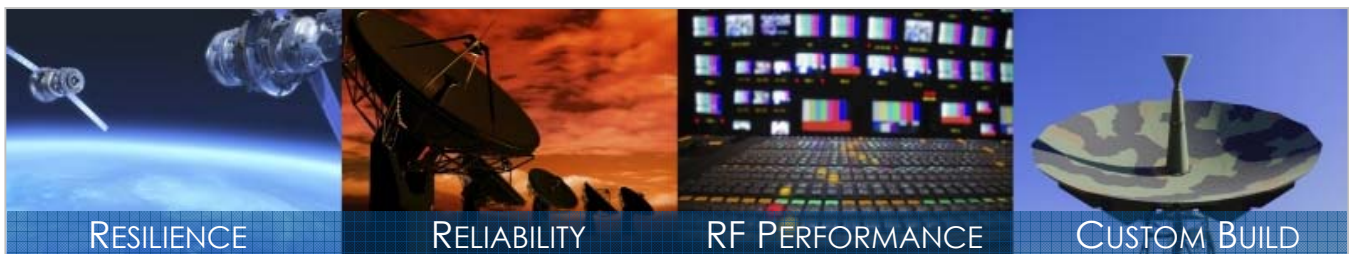
Model Numbers	Conn.	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	$\Phi$	Amp(dB)
COM02L1P-2557-S5S5	50 $\Omega$ SMA	0.3	0.5	30	25	20	2	0.15
COM02L1P-2557-N5N5	50 $\Omega$ N-type	0.3	0.5	30	25	20	2	0.15
COM02L1P-2557-B5B5	50 $\Omega$ BNC	0.3	0.6	30	25	20	2	0.15
COM02L1P-2557-B7B7	75 $\Omega$ BNC	0.4	0.7	28	25	18	4	0.20
COM02L1P-2557-F7F7	75 $\Omega$ F-type	0.5	0.9	25	20	15	5	0.25

\* The quoted insertion loss is loss above theoretical due to power split. For 2-way splitters theoretical value is 3dB. Typical values may vary between different production batches.

### Maximum acceptable operating parameters for reliable and safe operation

Parameter	Value	Comment
Input RF power	+27 dBm (0.5W)	Max total RF power
DC Voltage	50V / 2A	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.



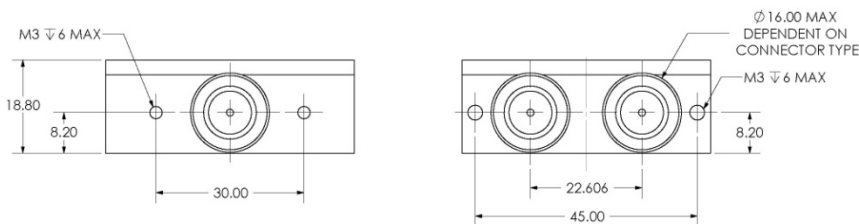
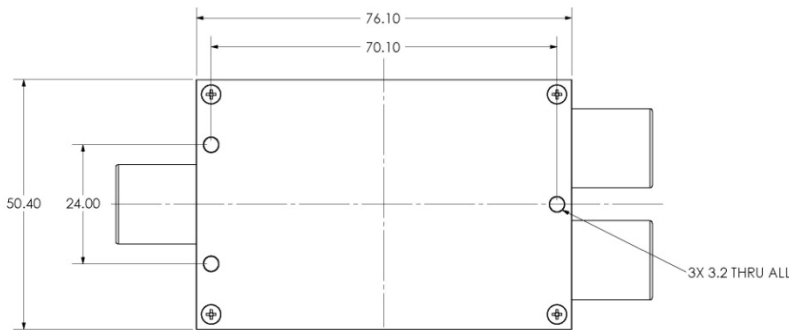
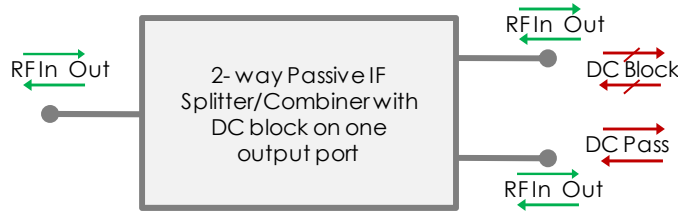
RESILIENCE

RELIABILITY

RF PERFORMANCE

CUSTOM BUILD

### 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.

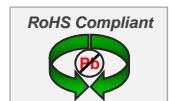
### Examples of other 2-way passive IF-band splitters/combiners

Model Number	DC Pass/Block	Frequency
COM02F2-2561	DC block on both ports	50 to 200 MHz



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