COM04F2P-2537

4-way Passive IF-band Splitter/Combiner

COM04F4P-2537 is a 4-way passive IF (50 to 1000MHz) splitter/combiner with DC block on all 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 IF operation, 50 MHz to 1000 MHz

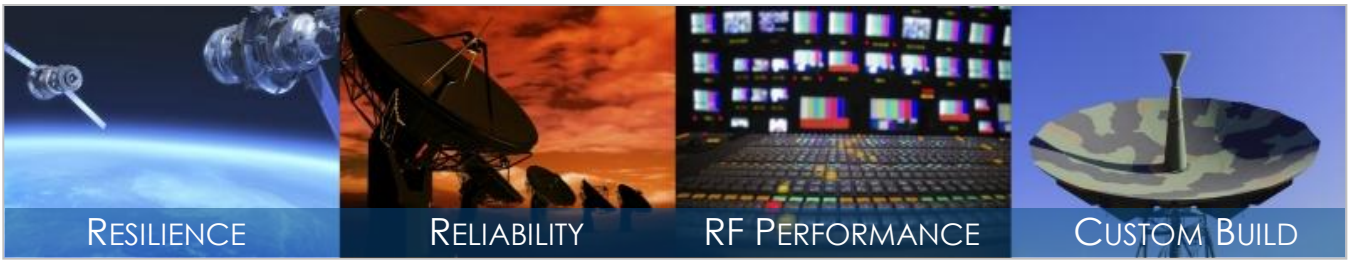
Model Numbers	RF Ports	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	Φ	Amp(dB)
COM04F4P-2537-S5S5	50Ω SMA	1.0	2.0	22	18	12	0.5°	0.5
COM04F4P-2537-N5N5	50Ω N-type	1.0	2.0	22	18	12	0.5°	0.5
COM04F4P-2537-B5B5	50Ω BNC	1.0	2.0	22	18	12	0.5°	0.5
COM04F4P-2537-B7B7	75Ω BNC	1.5	2.5	20	15	10	1°	0.8
COM04F4P-2537-F7F7	75Ω F-type	1.5	2.5	20	15	10	1°	0.8

** The quoted insertion loss is loss above theoretical due to power split. For 8-way splitters theoretical value is 9dB. 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	Any RF port
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.



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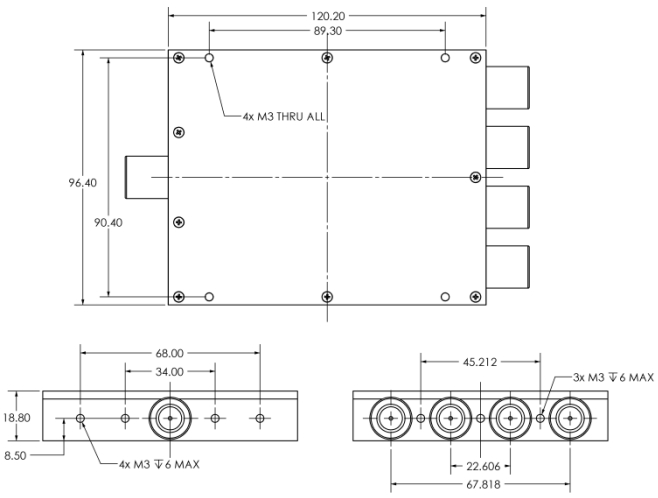
Vector diagram & physical dimensions



Feature set for alternative 4-way Passive IF splitters/combiners

Model Number	Frequency	DC Pass/Block
COM04F2P-2579	50-200 MHz	DC block on ALL ports

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