COM04S1P-2572

4-way Passive S-band Splitter/Combiner

COM04S1P-2572 is a 4-way passive S-band splitter/combiner with 10MHz and DC pass on all ports.

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

Summary table for RF performance over S-band operation, 500 MHz to 2750 MHz

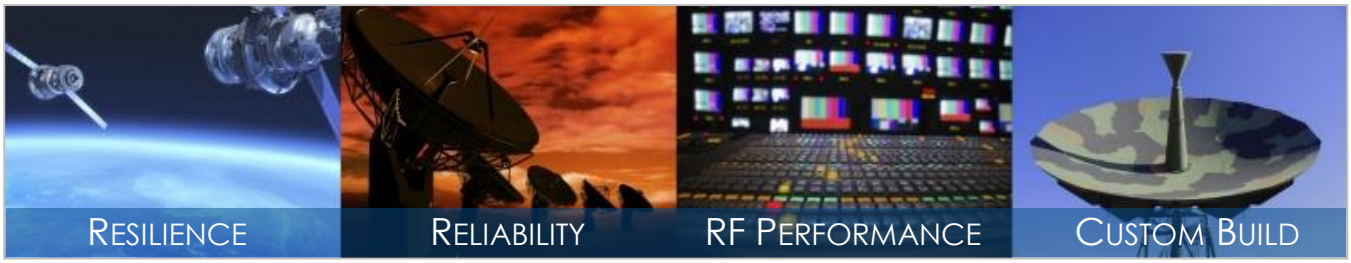
Model Numbers	RF Ports	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	Φ	Amp(dB)
COM04S1P-2572-S5S5	50Ω SMA	1.5	2.5	18	18	10	1°	0. 2
COM04S1P-2572-N5N5	50Ω N-type	1.5	2.5	18	18	10	1°	0. 2
COM04S1P-2572-B5B5	50Ω BNC	1.5	2.5	18	18	10	1°	1.2

** The quoted insertion loss is loss above theoretical due to power split. For 4-way splitters theoretical value is 6dB. 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 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.



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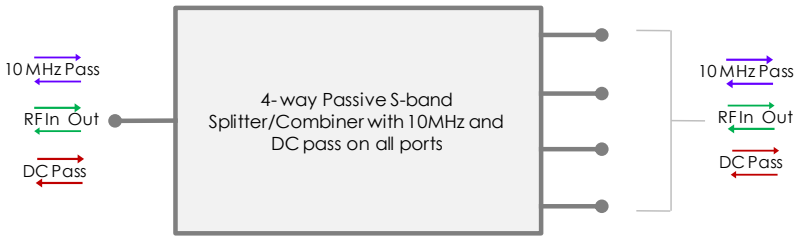
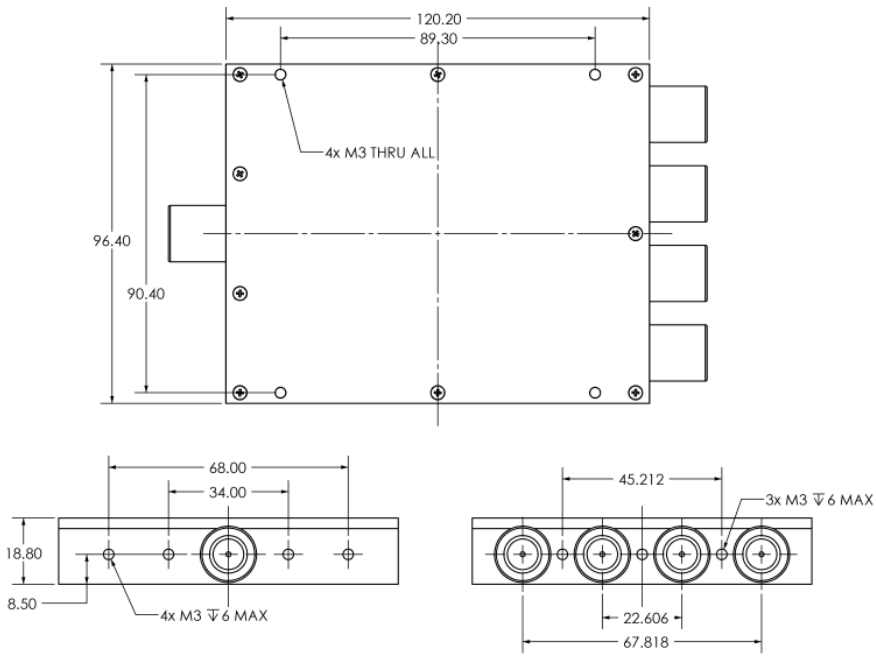
Vector diagram & physical dimensions





Feature set for some alternative 4-way Passive S-band splitters/combiners

Model Number	DC Pass/Block	Frequency
COM04S1P-2572	DC pass on ALL ports	500 to 2750 MHz
COM04S2P-2525	DC block on all other ports	850 to 2500 MHz
COM04S1P-2583	DC block on all other ports	500 to 2500 MHz
COM04S2P-2584	DC pass on ALL ports	850 to 2500 MHz
See our L-band (850 to 2150 MHz) range of splitters and combiners for vast range of ETL components		

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