

8-way Passive C-band Splitter/Combiner



COM08C2P-2568 is 8-way passive C-band (5.8 to 6.5GHz) splitter/combiner

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

Summary table for RF performance over C-band operation, 5.8 GHz to 6.5 GHz

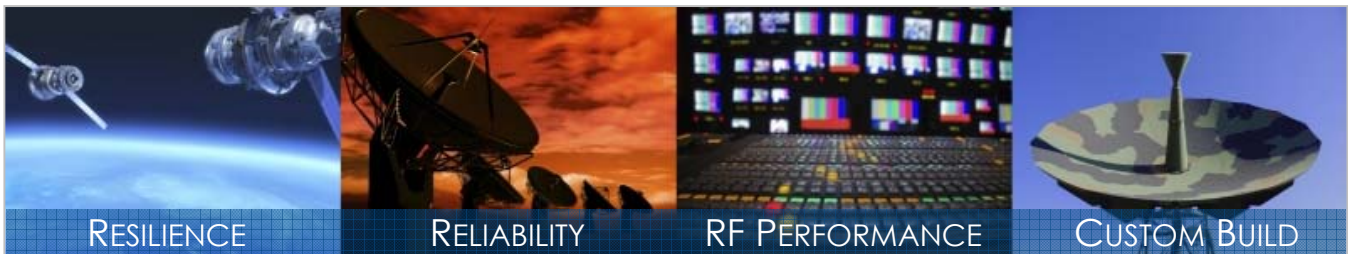
Model Numbers	RF Ports	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	Φ	Amp(dB)
COM08C2P-2568-S5S5	50 Ω SMA	1.5	2.1	25	20	10	1.5	0.2
COM08C2P-2568-N5N5	50 Ω N-type	1.5	2.1	23	18	10	1.5	0.3

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

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 / 500mA	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.

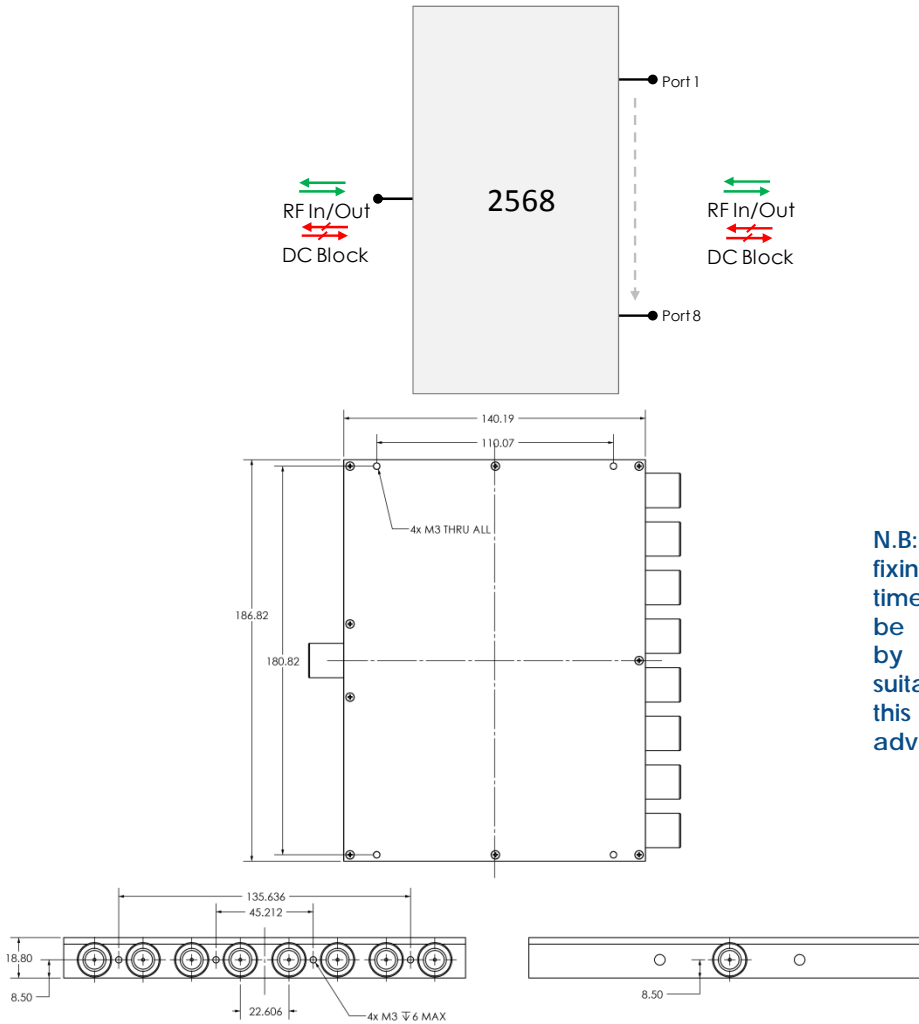


COM08C2P-2568

8-way Passive C-band Splitter/Combiner



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.

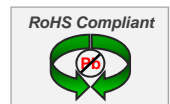
Feature set for a selection of 8-way passive L-band splitters/combiners

Model Number	DC Pass/Block	Frequency
COM08C1-2567	DC block on ALL ports	3.4 – 4.2 GHz
COM08C2-2568	DC block on ALL ports	5.8 – 6.5 GHz
COM08C3-2360	DC block on ALL ports	3.4 – 6.5 GHz
COM08C4-2569	DC block on ALL ports	2.0 – 4.2 GHz



ETL Systems Ltd, Coldwell Radio Station, Madley, Hereford, HR2 9NE, England

ETL Systems design, develop and manufacture specialist equipment for satellite ground stations. For a full description of the ETL product range, please see our website at www.etsystems.com. This product range provides the basis for meeting your specific demands.



Tel +44 (0)1981 259020
 Fax +44 (0)1981 259021
info@etsystems.com