

4-way Passive C-band Splitter/Combiner



COM04C1P-2550 is a 4-way passive C-band (3.4 to 4.2GHz) splitter/combiner with DC pass on all ports.

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

Summary table for RF performance over C-band operation, 3.4GHz to 4.2GHz

Model Numbers	Conn.	Insertion Loss* (dB)		Isolation Typical (dB)	Return Loss (dB)		Phase & Amplitude Misalignment	
		Typ.	Max		Typ.	Min	Φ	Amp(dB)
COM04C1P-2550-S5S5	50 Ω SMA	1.2	2.0	23	16	10	2°	0.15
COM04C1P-2550-N5N5	50 Ω N-type	1.6	2.5	20	15	10	2°	0.15

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

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
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.



