

GPS Splitter (4-Way)



JIETONG DIGITAL

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1565.42-1587.42 MHz

JTD14

JTD14GPS Splitter(4-Way)

The JTD14 GPS Splitter is a one-input, four-output GPS device. This product typically finds application where an input from an active GPS roof antenna is split evenly between four receiving GPS units. In this scenario, the JTD14 can be configured to pass DC from an RF output (J1) to the antenna input port in order to power an active GPS antenna on that port. The second, third and fourth RF outputs (J2,J3, & J4) would feature a 200 Ohm DC load to simulate an antenna DC current draw for any receiver connected to those ports.

Key features

- Design For Wireless Infrastructure Applications.
- Gain :0dB, And Passive Version Available
- Response For GPS:L1;
- High Isolations(0dB) > 50dB



Specifications

Technical characteristics

Parameter		Conditions	Min	Typ	Max	Units
Freq. Range		Ant – Any Port	1565.42	1575.42	1587.42	GHz
In &Out Imped.		In, all output ports		50		Ω
Gain	0dB	In- Output ports, ,Unused Ports - 50 Ω	-1	0	1	dB
Input SWR		Freq 1575.42 MHz			1.2:1	-
Output SWR		Freq 1575.42 MHz			1.5:1	-
Noise Figure- Amplified		25°C			3	dB
Gain Flatness					3	dB
Group Delay Flatness					1	ns
Isolation	0dB	1575.42 MHz	26			dB
		≤ 1535.42 MHz	50			
		≥ 1605.42 MHz	50			
DC IN		PASS DC, Amplified	3		16	VDC
Device Current					16	mA
Weight					0.4	Kg
Operating Temperature			-40		80	°C
Non Operating Temperature			-65		85	°C