GPS(GNSS) Digital Display Step Adjustable Amplifier

1150-1650 MHz

JTD-GLNA-1150-1650-55-4XTNC/F
JTD-GLNA-1150-1650-55-4XN/F

JIETONG DIGITAL
GBT CONNECTED

GPS:L1,L2,L2C,L5; Glonass:G1,G2; Galileo:L1,E1,E2,E5(E5a,E5b),E6; Beidou2:B1,B2,B3; IRNSS:L1,L5; Omni Star

- Applications: GPS Signal Indoor, Timing, Survey, Wireless Communication etc.
- Gain : 0～55dB, Digital display step adjustable .
- Response For
  - GPS:L1,L2,L2C,L5;
  - Glonass:G1,G2;
  - Galileo:L1,E1,E2,E5(E5a,E5b),E6;
  - Beidou2:B1,B2,B3;
  - IRNSS:L1,L5;
  - Omni Star

Description

JTD-GLNA-1150-1650-55-4Xxxxxx is the latest launch of the single stage of the low noise amplifier, its technical characteristics are as follows:

1. Digital display gain: LED digital display, clearly display the current amplifier gain;
2. Digital display: Number of Locked Satellites, C/NO Value
3. Touch-tone gain adjustment: through the upper and lower key, you can adjust the gain when needed;
4. Power control: toggle the power switch, easy control power supply state ;
5. Serial Command Control
6. Input and Output Port Power-Up Setting
7. Frequency Range:1150~1650MHz

Covers the GPS, Galileo, and GLONASS, Beidou 2 frequencies etc. The device features 0~55dB gain and a noise figure less than 1.5dB. Since the product consumes less than 20mA, the device can be placed in line with the receiver antenna and can be powered by the GPS receiver's antenna voltage output. The **JTD-GLNA-1150-1650-55-4Xxxxxx** is more practical than any competitive product in the market.

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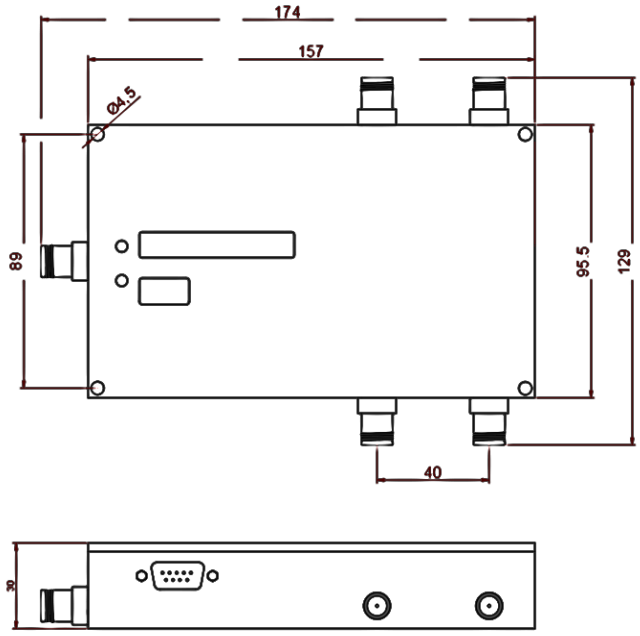
Specifications

Electrical Specifications, Operating Temperature -40 to 85°c

Parameter	Conditions	Min	Typ	Max	Units
Freq. Range	Selectable Antenna Port	1150		1650	MHz
In & Out Imped	In @ All output ports		50		Ω
Gain Range	1 dB Step		0~55		dB
Input SWR				2.0:1	-
Output SWR				2.0:1	-
Noise Figure				1.5	dB
Gain Flatness				2	dB
Phase Balance				1.0	deg
Group Delay Flatness				1	ns
Isolation		16			dB
DC Input	Power Adapter for 110/220VAC to 12VDC		12		VDC
Equipment Current				300	mA
Temperature		-25		60	℃
Max output power				5	dBm
Max RF Input	Max RF input			0	dBm

Mechanical



 Website http://www.jtd.com.tw

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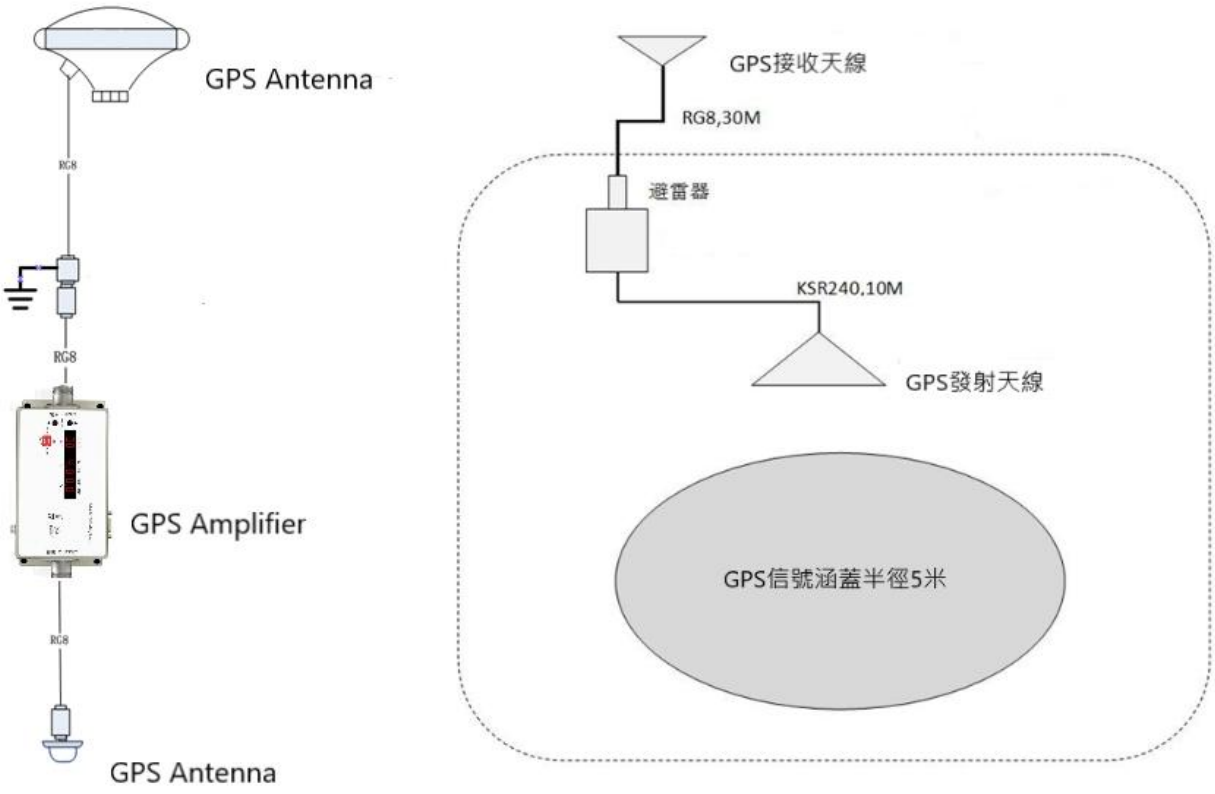
Applications

Expand GPS signal coverage or fill in GPS signal blind areas where GPS signals are weak or unavailable.



Frequency Reference Table

Gllobal/Compass Navigation Satellite Systems(GNSS/CNSS)	5						2						6/3			6				1							
Frequency (MHz)	1164	1176	1188	1192	1207	1215	1219	1227	1239	1245	1252	1259	1266	1268	1278	1290	1535	1540	1545	1550	1558	1558	1561	1563	1575	1587	1592	1602	1609	1616	2491
GPS(USA) L1,L2,L2C,L5	L5+/-12						L2/L2C+/-12												L6+/-5					L1+/-12						
Glonass(Russia) G1,G2										G2+/-7																		G1+/-7		
Galileo(Europian) L1,E1,E2,E5(E5a,E5b),E6	E5+/-15 E5a+/-12 E5b+/-12												E6+/-12			L6+/-5					E2		L1+/-17		E1					
Compass (Beidou 2,China)				B2+/-10									B3+/-10									B1+/-2								
Beidou 1 (China,Tx(LHCP)/Rx(RHCP)																													L	S	
IRNSS (India)			L5+/-15																					L1+/-12						S+/-15	
OmniStar																			0+/-14→												

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