RGS132

Rackmount GPS Splitter

RoHS

- Design For Wireless Infrastructure Applications
- Gain 0dB,10dB ,31dB(can be specified)
- 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;
  - OmniStar
- High Isolations >30dB

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Description

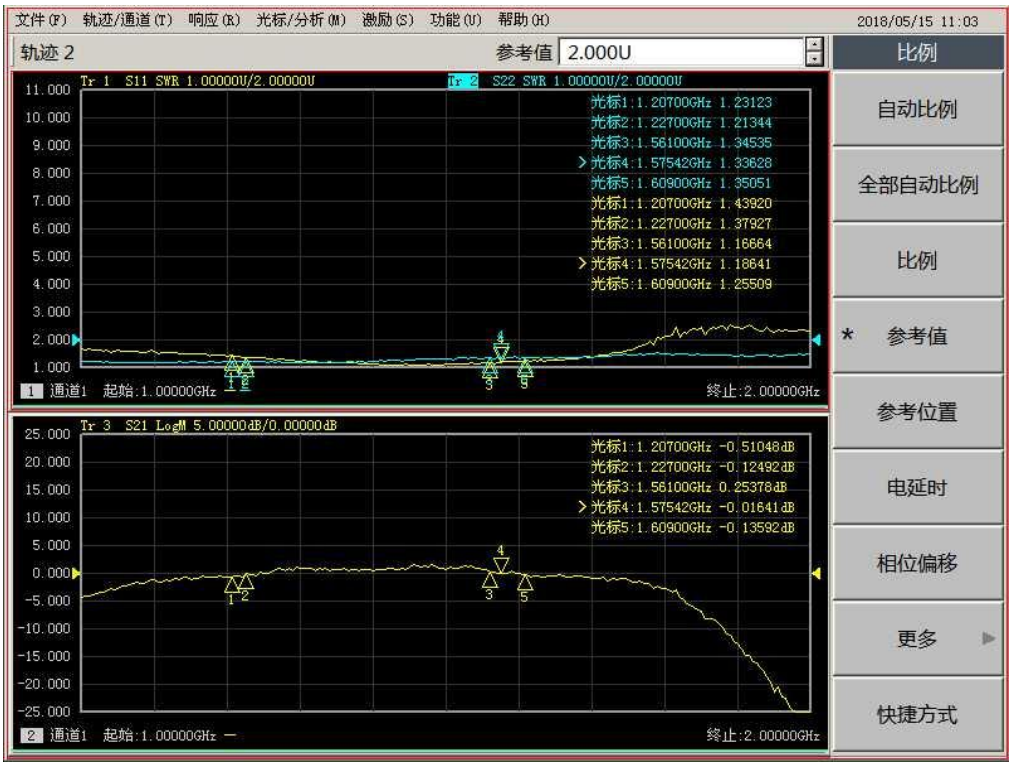
The RGS132 GPS Splitter is a one-input, thirty two-output GPS device. This product typically finds application where an input from an active GPS roof antenna is split evenly between thirty two receiving GPS units. In this scenario, the RGS132 can be configured to pass DC from an RF output (J1) to the antenna input port in order to power an active GPS antenna on that port. Output ports(J2-J32) would feature a 200 Ohm DC load to simulate an antenna DC current draw for any receiver connected to those ports.

Specifications

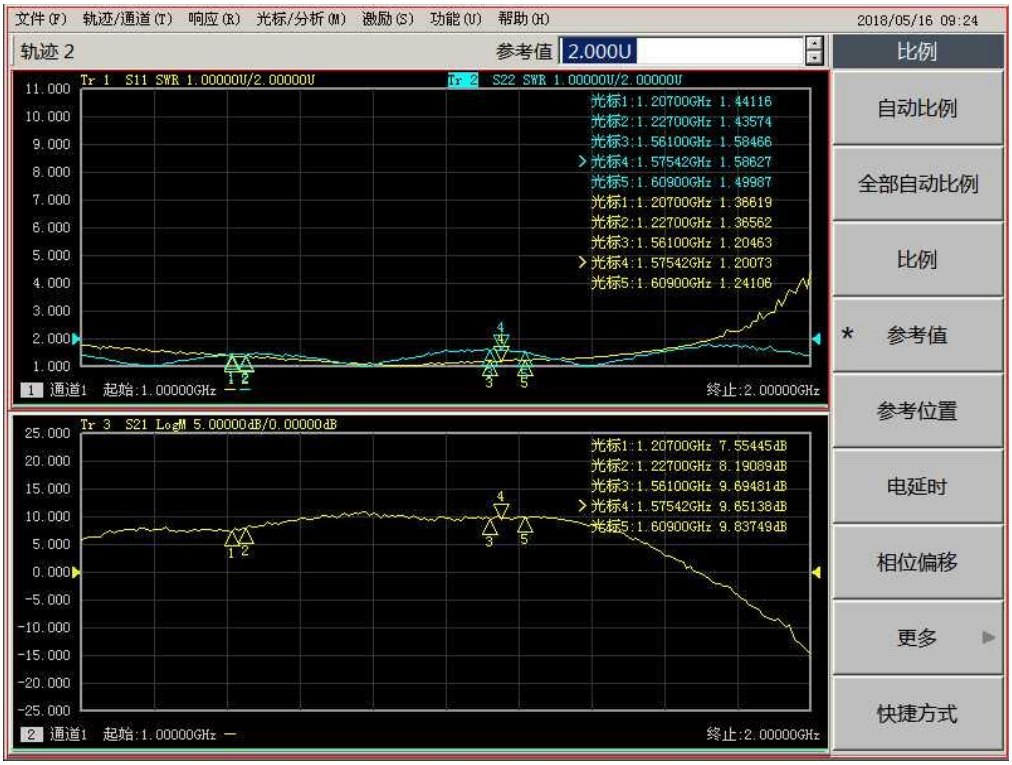
Electrical Specifications, Operating Temperature -40 to 85°c

Parameter		Conditions	Min	Typ	Max	Units
Freq. Range		Ant – Any Port	1.1		1.7	GHz
In &Out Imped.		In, all output ports		50		Ω
Gain	0dB	In- Output ports, ,Unused Ports - 50Ω	-1	0	1	dB
	10dB		9	10	11	
Input SWR		All Ports- 50Ω			2.0:1	-
Output SWR		All Ports- 50Ω			2.0:1	-
Nois Figure (Amplified)		Ant- Any Port, Unused Ports-50Ω			3	dB
Gain Flatness (Amplified)		|L1-L2|,Ant- Any Port, Unused Ports-50Ω			3	dB
Amp. Balance		|J1-J2|, Ant- Any Port, Unused Ports-50Ω			0.5	dB
Phase Balance		Phase(J1-J2), Ant- Any Port, Unused Ports-50Ω			1.0	deg
Group Delay Flatness					1	ns
Isolation	Amplified	Adjacent Ports: In - 50Ω	28			dB
		Opposite Ports: In – 50Ω	34			
	Gain:10dB	Adjacent Ports: In - 50Ω	28			
		Opposite Ports: In - 50Ω	34			
AC IN		Wall Mount transformer		230		VAC
DC IN		DC Block, All ports with a 200Ω Load			14	VDC
		PASS DC, Amplified	3		16	
		PASS DC, Passive			16	
		Powered, (9V)	5	9	16	
		Powered, (-48V)	-60	-48	-40	Optional
Device Current					80	mA
Current		Pass DC, No Powered configuration, DC input on J1			250	mA
		Powered, to be specified				mA
Max RF Input (Amplified)		Max RF input without damage			0	dBm

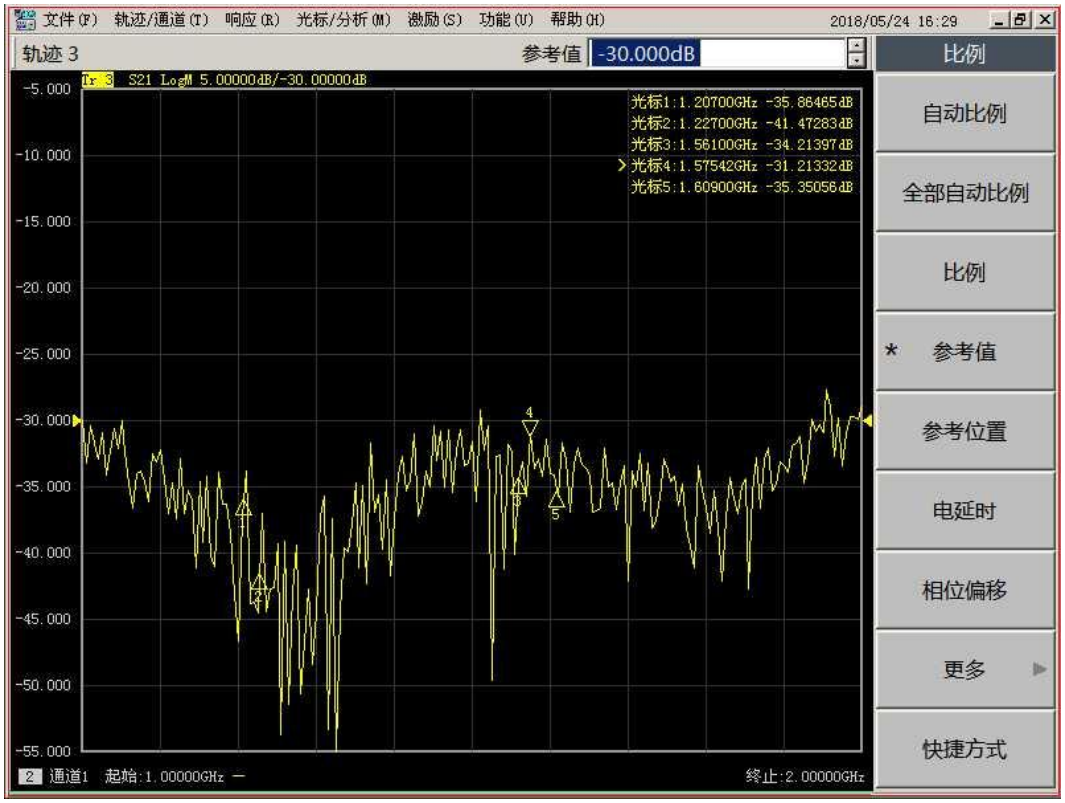
Performance Data



Gain :0dB

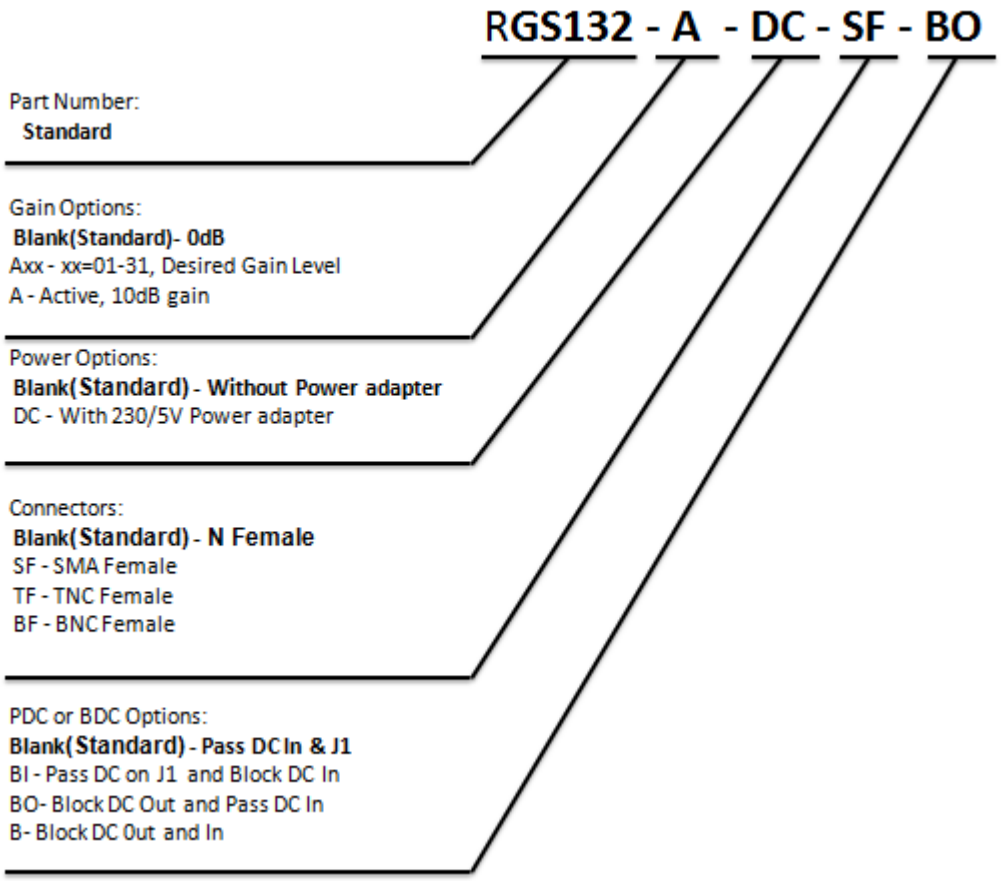


Gain :10dB


文件(F) 轨迹/通道(T) 响应(R) 光标/分析(M) 激励(S) 功能(U) 帮助(H)
2018/05/24 16:29
轨迹 3
参考值 -30.000dB
Tr 3 S21 LogM 5.00000dB/-30.00000dB
光标1:1.20700GHz -35.86465dB
光标2:1.22700GHz -41.47283dB
光标3:1.56100GHz -34.21397dB
光标4:1.57542GHz -31.21332dB
光标5:1.60900GHz -35.35056dB
-5.000
-10.000
-15.000
-20.000
-25.000
-30.000
-35.000
-40.000
-45.000
-50.000
-55.000
2 通道1 起始:1.00000GHz
终止:2.00000GHz
比例
自动比例
全部自动比例
比例
* 参考值
参考位置
电延时
相位偏移
更多
快捷方式

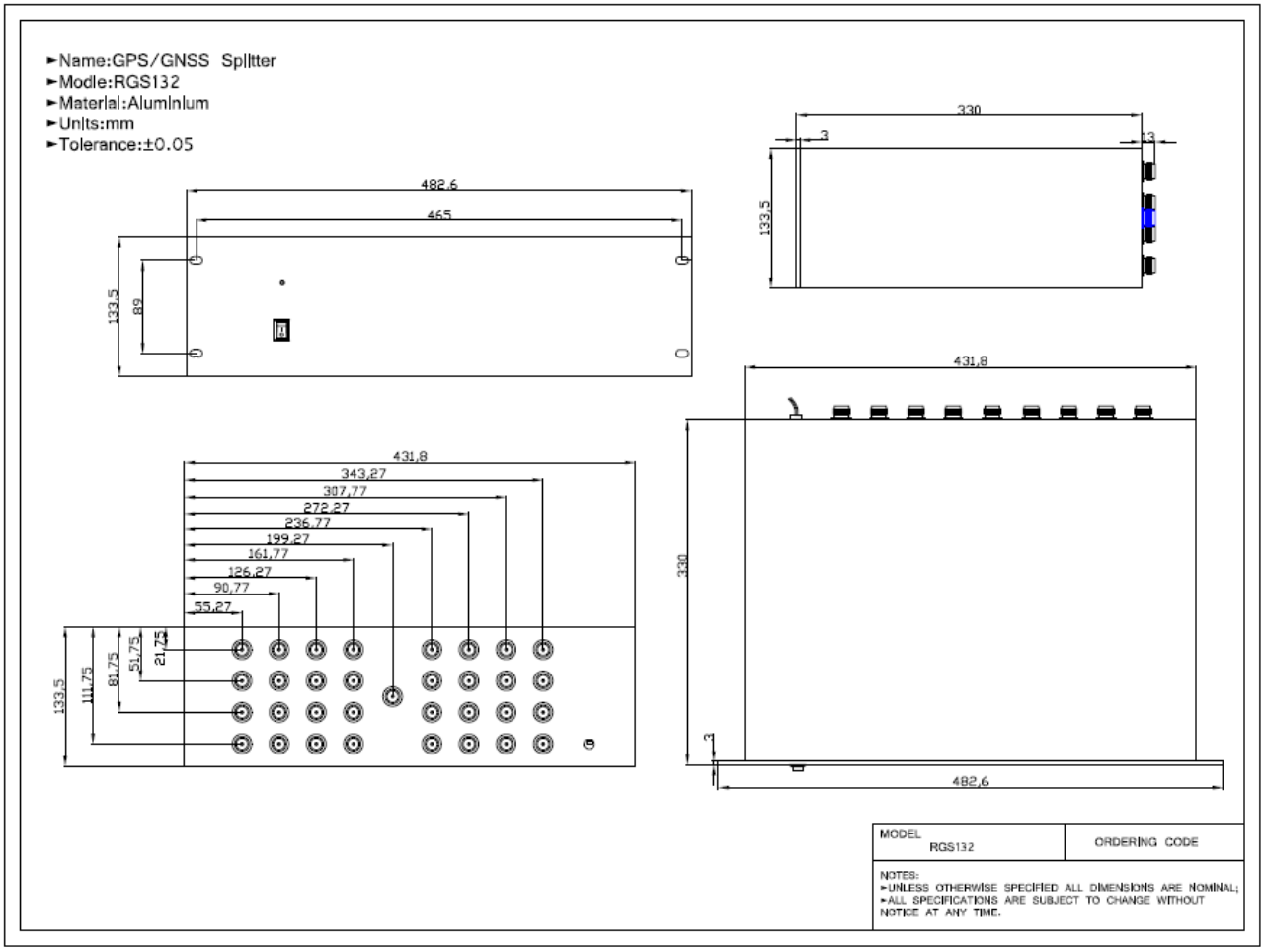
隔离度

Order Informations And Available Options



Please contact us for more configurations and application supports. Email: Sales@gemsnav.com.

Mechanical



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																		O+/-14---->													