

产品规格书

PRODUCT SPECIFICATION

Customer:

Customer's part number: KH-DW-K580-WZ

Product description: BD + GPS Antenna

Uni Link's part number: MS-BD+GPS-3

Issue Date: 2018-12-30

Note: 1575.42 / 1561MHz, SMA male, RG174 3m

Application and Features

Applications:

- 1: 1575.42 / 1561Mhz System
- 2: Global Positioning System
- 3: Vehicle fixing position

Features:

- 1: Weight is light
- 2: RHCP Polarization
- 3: RoHS compliant



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1、PRODUCT TECHNICAL SPECIFICATION

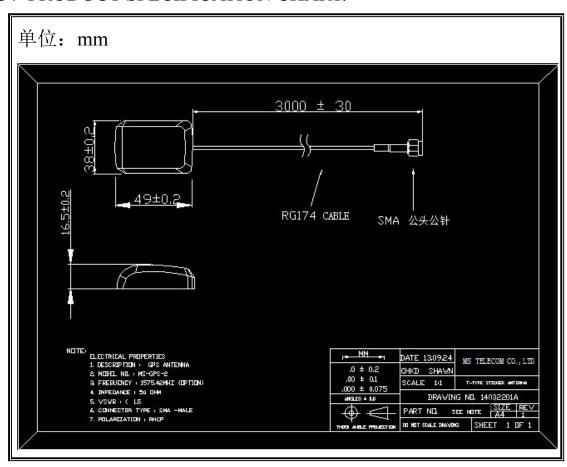
Electrical Specifications				
Frequency Range (MHz)	1575.42 ± 2 / 1561 ± 2			
Bandwidth (MHz)	4			
Noise Figure (Typical)	1.5(+25°C±10°C)			
DC current (Typical)	9.5mA(At 3.0V)			
Input Impedance (Ω)	50			
V.S.W.R	≤ 2.0			
Gain (dBi)	28			
Max Input Power (w)	5			
Mechanical Specifications				
Antenna Dimension-mm (mm)	49*38			
onnect Type SMA male				
Input Voltage (V)	3-5			
Work Temperature °C	-40- +80			
Pole Diameter-mm	Ф40-50			
Cable length-mm	3000 + / - 30			
Weight (g)	90			



2、PRODUCT PICTURE



3、PRODUCT SPECIFICATION CHART.





4、MECHANICAL CHARACTERISTICS)

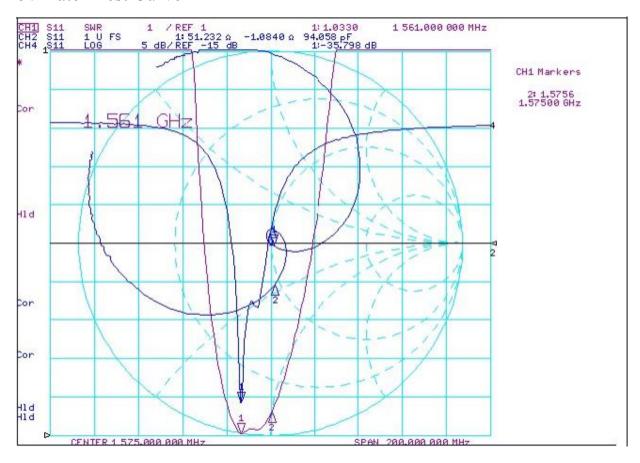
1	BENDING TEST	Put load 120g to 30cm cable from the end of the connector, fixed joints, swaying test at an angle of 60 degrees, test features after 1000 times	
2	STRENG TEST	Put 15pounds static load to the end of the cable continue 1 minute	After test no visible damage
3	VIBRATION TEST	the X-axis direction for 120 minutes, and the Y-axis direction 120 minutes, the Z-axis direction 240 minutes as vibration testing of 1.1mm amplitude and 33.30Hz/sec of frequency	

5 DURABILITY

1	HEAT TEST	85+2 °C for 24 hours, after keep in normal condition for 30mim the to test.	
2	HUMIDITY TEST	40+2 °C 90-95%RH for 24hours, after keep in normal condition for 30mim the to test.	All characteristic range is 30% of the initial value
3	COLD TEST	-40+2 °C for 24hours, after keep in normal condition for 30mim the to test.	

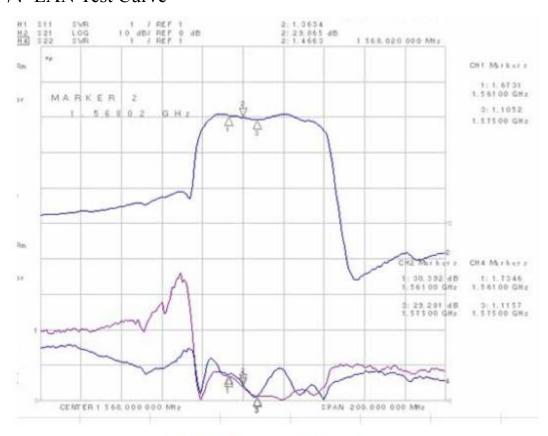


6. Patch Test Curve

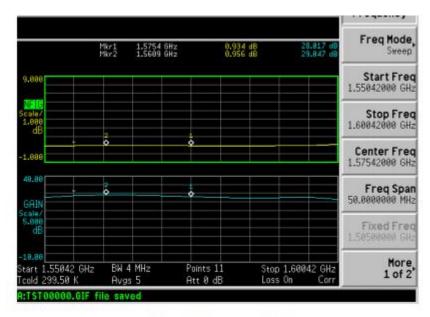




7. LAN Test Curve



Gain Figure: S21=29dB



Noise Figure: N=0.95