

承认书

APPROVAL SHEET

客 户

CUSTOMER: _____

料 号

CUSTOMER P/N: _____ GP00061

品 名

PART NAME: _____ GPS Antenna

规 格

SPECIFICATION: Shenzhen Keesun Technology Co., Ltd.

供 应 厂 商

VENDOR: _____

日 期

DATE: _____

APPROVAL OF VENDOR

DRAWN BY

CHECKED BY

APPROVED BY

APPROVED BY CUSTOMER : (SIGNING OR STAMPING HERE)

1、OVERALL PERFORMANCE(Antenna Element,LNA&Cable)	
CHARACTERISTICS	SP EC
Center Frequency	1575.42±5MHz(when covered with a radome and me assured by LN A ground plane)
Gain	38±2dBi
Noise Figure	2.7dB max
Polarization	R.H.C.P
3dB Beam Width	110° ±10°
Front To Back Ratio	10dB min
Axial Ratio	5dB max
Output VSWR	2.5 max
P1dB(out)	>0dBm
Out Of Band Rejection	f0=1575.42MHz f0=1575.42MHz±30MHz 30dBc min f0=1575.42MHz±50MHz 50dBc min f0=1575.42MHz±100MHz 70dBc min
Output Impedance	50ohm
Voltage	DC: 4V~6V
Current	45mA max
Surge Resistion	Surge resistion according to IEC61000-4-5 std . at 4kv ,1.2/50us Output impedance 2Ω. of Instrument
Weight	<1kg
Connector	N-F type
2、APPLICATION	
This application shall apply for antenna unit which shall be used with an engine for an automobile. (for impedance 50 ohm)	
3、OPERRATING CONDITION	
Temperature	-40℃ to +75℃
Humidity	5% to 100% RH

4、STORAGE CONDITION	
Temperature	-40℃ to +100℃
Humidity	5% to 95% RH
5、Patch	
CHARACTERISTICS	SPEC
Dimensions	25mm(L)×25mm(W)×4mm(H) typ
Center Frequency	1575.42±2MHz
Bandwidth(10dB Return Loss)	10MHz min
Peak Gain	4.0dBic typ
3dB Beam Width	110° ±10°
Front To Back Ratio	10dB min
Axial Ratio	5dB max
Output V.S.W.R	≤1.5dB
Output Impedance	50ohm
Polarization	R.H.C.P
6、LNA/Filter	
CHARACTERISTICS	SPEC
Voltage	DC:4V~6V
Current	45mA max
Center Frequency	1575.42±5MHz
Gain	34±2dBi
Noise Figure	2.7dB max
Passband Ripple	1575.42M±1.023MHz: <1dB 1575.42M±5MHz: <2dB
P1dB(out)	>0dBm

Filter (Out of band attenuation)	$f_0=1575.42\text{MHz}$ $f_0=1575.42\text{MHz}\pm 30\text{MHz}$ 30dBc min $f_0=1575.42\text{MHz}\pm 50\text{MHz}$ 50dBc min $f_0=1575.42\text{MHz}\pm 100\text{MHz}$ 70dBc min
Input VSWR	$\leq 2.5:1$
Output V.S.W.R	$\leq 2.5:1$
7、 Note	
1、 This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product. 2、 We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification. 3、 The product will get free warranty for three months since the date of purchase users operate in the correct way; users will have to pay cost of the materials and maintaining fee out of the condition. 4、 Electrostatic sensitive device Observe precautions for handling.	
8、 ANTENNA DIMENSIONS	



