

## JIAXING GLEAD ELECTRONICS CO.,LTD.

# APPROVAL SHEET

PRODUCT NAME	CUSTOMER APPROVED BY
DAMGN4X10_K5M	
CUSTOMER NAME OR MODEL	APPROVED DATE

## **SPECIFICATION**

Product Name: DAMGN4X10\_K5M

Description: 2.8-5V/13.5mA/30dB/500cm (L) / SMBA(FAKRA-C)

(Typical Value)

### **VERSION INFORMATION**

VERSION	DATE	REVISION D	DESCRIPTION	PREPARED	CHECKED	APPROVED
V1.0	2012. 04. 12	NEW I	ISSUED			

PREPARED BY	CHECKED BY	APPROVED BY

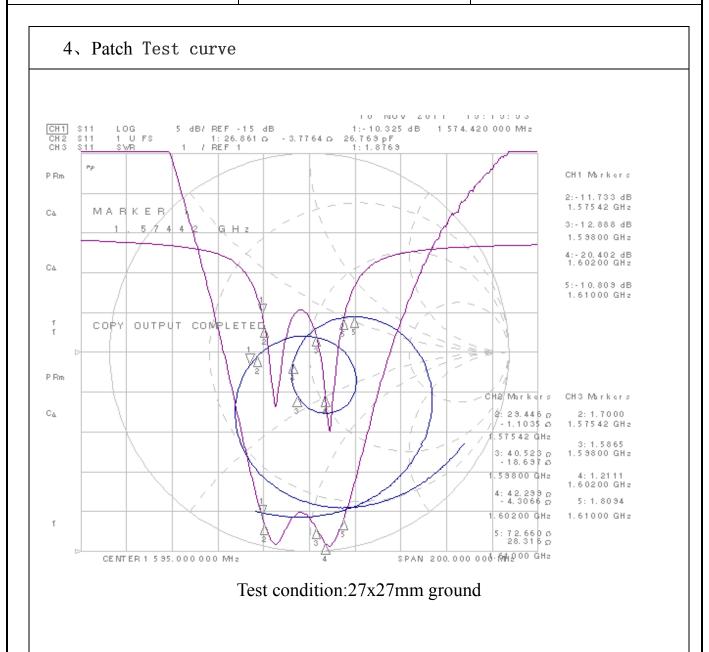


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Prepared by	Checked by	Approved by
Shen jie	Yan wen li	Gao sheng

enna		
1	Antenna model	DAS1575 (25*25*4)
2	Frequency Range	1575.42MHz±3 MHz 1602MHz±8 MHz
3	V. S. W. R	1.5:1
4	Band Width	> 8 MHz for GPS > 16MHz for GLONASS
5	Impendence	50 ohm
6	Gain	5dBi Based on7×7cm ground plane
7	Polarization	RHCP
A	,	
1	Frequency Range	1595MHz±23MHz
2	DC Voltage	2. 8-5. 0V
3	Gain	30dB
4	Outband Regection	≥20dB(fo+100MHZ)
	(Absolute value)	≥25dB(fo-100MHZ)
5	Output VSWR	2.0 max
6	Noise Figure	1.5 max
7	DC current	13.5 mA (at3.0V)
、Materia	al	
1	Antenna	Dielectric Ceramics
2	PCB	FR4
3	Shielding	Tinplate
4	RF Cable	RG174 Attenuation: 1.3dB/m
		L=500±10CM
5	RF Connector	SMBA (FAKRA-C)
6	Circular magnets	Ф15*2mm



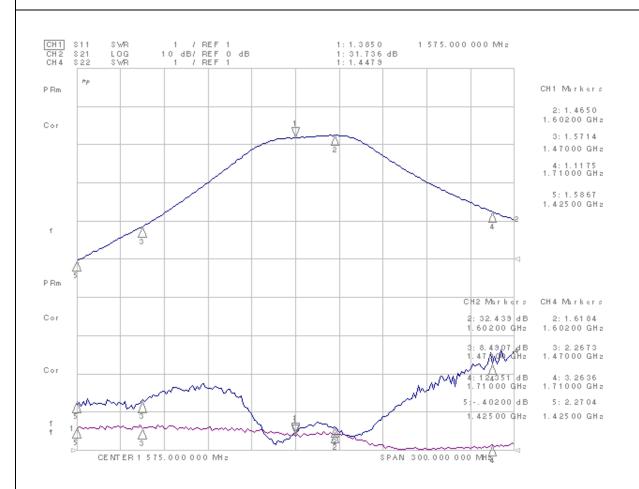
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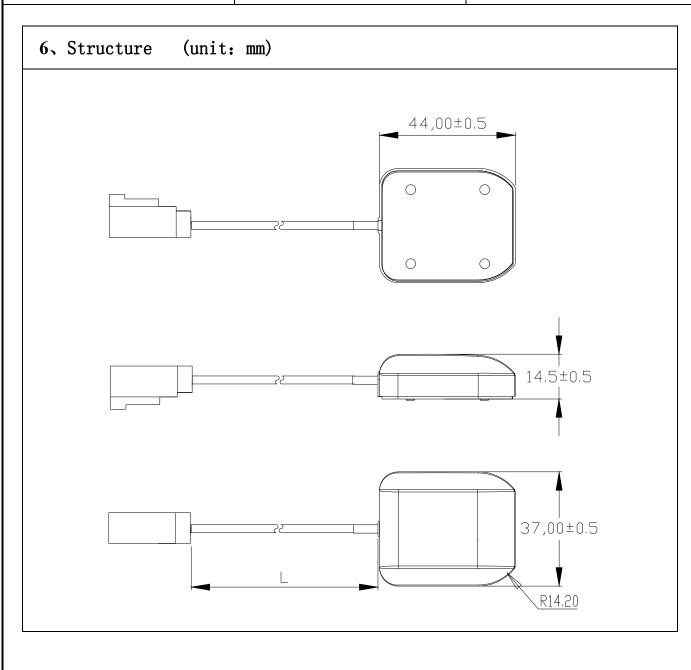




Test condition: DC 3.0V



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## 7. Reliability Test

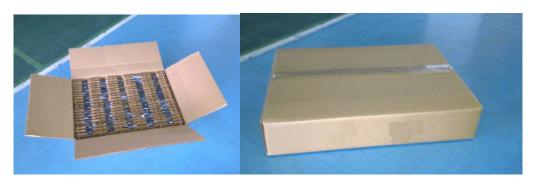
Item	Test Condition	Limit
Humidity Test	The device is subjected to 93±2% relative humidity $40\pm2^{\circ}C\pm3^{\circ}C$ for 48h, then dry out at $25^{\circ}C\pm5^{\circ}C$ and less than 65% relative humidity for 12h.	After test, specimen shall meet electrical requirements
High Temperature Storage	after leaving at $85^{\circ}$ C for 16h, provided it would be measured after 2h leaving in $25^{\circ}$ C $\pm 5^{\circ}$ C and less than 65% relative humidity.	After test, specimen shall meet electrical requirements
Low Temperature Storage	After leaving at -40°C for 16 h, provided it would be measured after 2h leaving in $25$ °C $\pm 5$ °C and less than 65% relative humidity.	After test, specimen shall meet electrical requirements
High Temperature Operation	Operating the device at 80°C and 3.0V for 2h,	After test, specimen shall meet electrical requirements
Low Temperature Operation	Operating the device at -40°C and 3.0V for 2h,	After test, specimen shall meet electrical requirements
Vibration	Subject the device to Sinusoidal vibration for 2h each in x, y and z axis with the amplitude of 1.5mm (max), the frequency shall be varied uniformly between the limits of 10Hz~55Hz~10Hz.	After test, specimen shall meet electrical requirements
Free Fall	Handling the product at the 1000mm dropped 3 times with random fall surface,	Mechanical damage such as breaks shall not occur. After test, specimen shall meet electrical requirements



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8. Packing (If there are other customers packaging requirements specified in the order)

Each carton includes 100 PCS antenna, Each lattice put 1PCS antenna, the size of carton is 630 \* 460 \* 105 mm.



#### 9. 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. 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.
  - 3. Electrostatic sensitive device. Observe precautions for handling.