

东莞赛富特汽车安全技术有限公司

Dongguan Saftire Automotive Safety Technology Co., Ltd

承 认 书

SPECIFICATION FOR APPROVAL

供应商 东莞市腾祥电子有限公司

SUPPLIER DONGGUAN TENGXIANG ELECTRONICS CO., LTD

品名 板金天线

DEACRIPTION Sheet metal antenna

料号 A. 07. 000020

Part NO.

日期 2016-9-7

DATE

本公司确认 (OUR COMPANY APPROVAL)

检测员 (Inspector)	审核 (Checked by)	确认 (Approved by)	签章 (signature)
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供应商确认 (SUPPLIER APPROVAL)

承认 (Testen by)	审核 (Checked by)	核准 (Approved by)	签章 (signature)
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评审项目 Review items:

☒ 承认书一式四份 Four copies of the acknowledgement letter

☒ SGS报告 SGS REPORT ☒ 图纸尺寸 Paper size

☒ 可靠性试验报告 Reliability Test Report

☒ 样品3PCS以上/份 Sample size of 3PCS or more per piece

确认结果: ☐ 接收 ☐ 有条件接收 ☐ 拒绝
Confirm results: Receive Conditional acceptance Refuse

请确认样品, 并回复我司有关您的建议, 不胜感激!

Please confirm the sample and reply to our company regarding your suggestions. Thank you very much!

东莞赛富特汽车安全技术有限公司

Dongguan Saftire Auto Safety Technology Co., Ltd

Product Number: AN0433-SNA180509

Product Name: 433MHz Antenna

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	433 MHz
S.W.R.	<2.0
Antenna Gain	1dBi
Polarization	vertical
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	Stainless Steel
C. Environmental	
Operation Temperature	- 40 °C ~ +125°C
Storage Temperature	- 40 °C ~ +125 °C

2. Characteristics and Reliability Test

Test Items		Test Condition and Procedure	Requirements
C1	S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C2	Antenna Gain	Set DUT on Antenna Chamber; make individual calibration to test	Directive DUT specification



Tengxiang Technology.Inc

Product Number: AN0433-SNA180509

Product Name: 433MHz Antenna

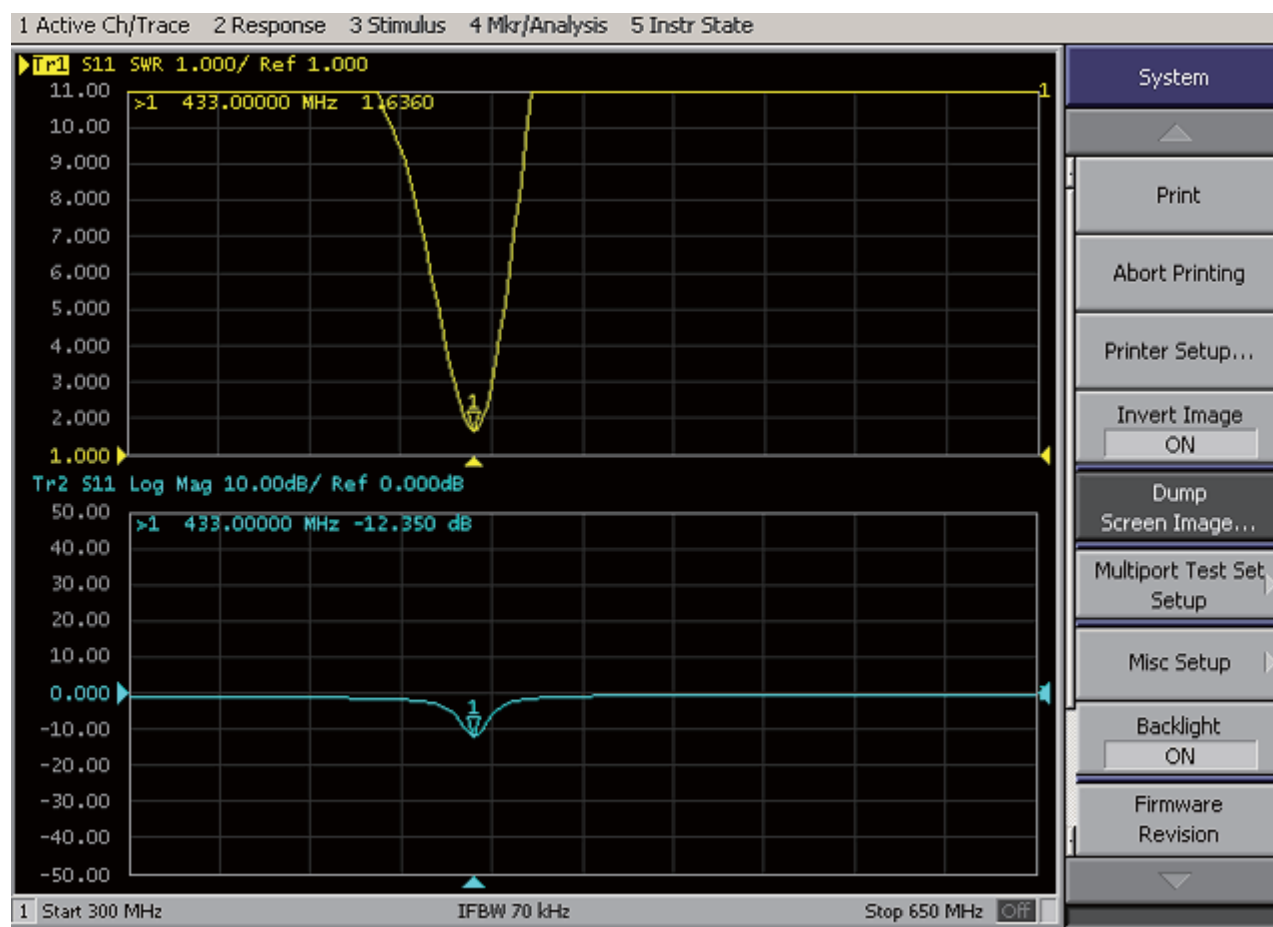
M1	Vibration	MIL-STD-202G, 201A Amplitude: 0.03 inch (0.76mm); Freq: 10 to 55 Hz 3 directions; 2 hours for each direction	1. No Visual Damage 2. Frequency Tol.<= 5%
M2	Random Drop	Height: 1.5 Meter; 3 directions; 1 time for each direction	1. No parts separated 2. Frequency Tol.<= 5%
M3	Solderability	MIL-STD-202G, 210F, cond. A Solder iron: 350±10°C; Duration: 5 seconds	1. Mounted on PCB 2. No Visual Damage
M4	Terminal-Pull Test	MIL-STD-202G, 211A, cond. A Holding with individual specification; force applied to axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M5	Terminal-Torque Test	MIL-STD-202G, 211A, cond. E Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M6	Dimension	Inspection of dimension, color, material, package, surface process	Directive DUT specification
E1	Salt Spray	MIL-STD-202G, 101E, cond. B Temp: 35°C; RH: >= 95%; NaCl solution: >= 5%; Time: 48 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E2	Humidity	MIL-STD-202G, 103B, cond. B Temp: 40°C; RH: >= 95%; Time: 48 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E3	Thermal Shock	1 Cycle: - 40°C (30 minutes) to + 125°C (30 minutes) Cycles: 24	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E4	Life (High Temp.)	MIL-STD-202G, 108A, cond. A Temp: 125°C; Time: 96 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2002/95/EC
R2	PFOS	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC
R3	PFOA	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC



Product Number: AN0433-SNA180509

Product Name: 433MHz Antenna

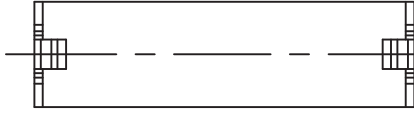
3. Antenna - S Parameter Test Data



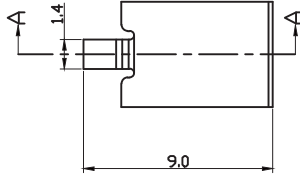
4. Mechanical Drawing See attached files

RoHS

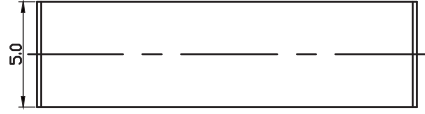
Compatible



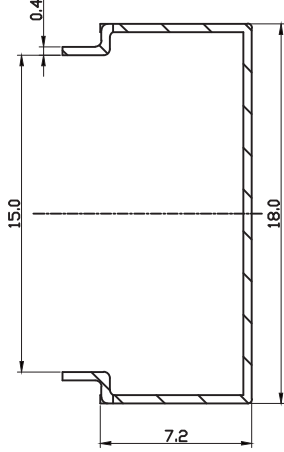
俯视图



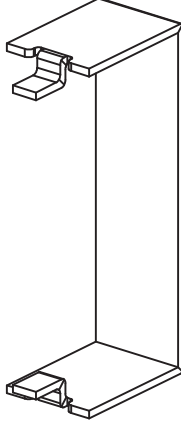
正视图



仰视图



剖面图A-A



SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			

注意事项:

- 1.材质:不锈钢(镀镍), T=0.40mm。
- 2."*"为重点管控尺寸。



Tengxiang Technology Inc.

TITLE: 钣金天线

PART NO.: AN0433-SNA180509		DWG NAME: AN0433-SNA180509.dwg	
APP BY	CHK BY	RF BY	DES BY
YCX	PEAK	WJ	CJ
2016.08.04	2016.08.04	2016.08.04	2016.08.04
UNITS: mm		Tolerance	
SCALE: 1/1		X.X ±0.30	
REVISION: A		X.XX ±0.10	
		X° ±1°	

產品包裝規範

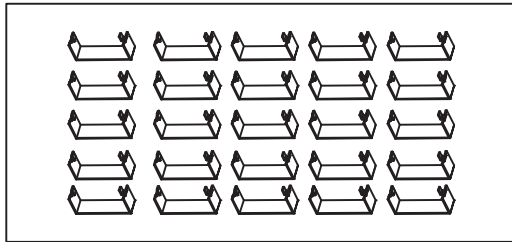
PACKING CRITERION

Date: 2016.08.31

Page: 1 of 1

Part Number : AN0433-SNA180509	Revision : A
Name: 433MHz Antenna	Customer : ALL

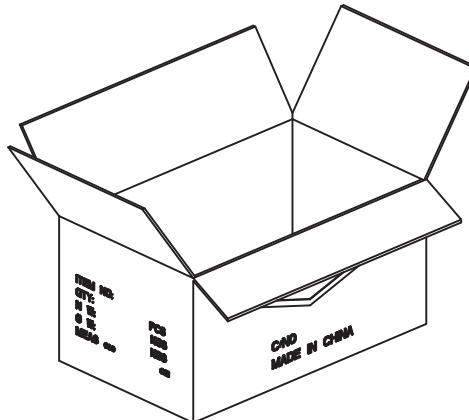
1 . Enter PE bag 。



200pcs/ PE bag

需贴内标贴

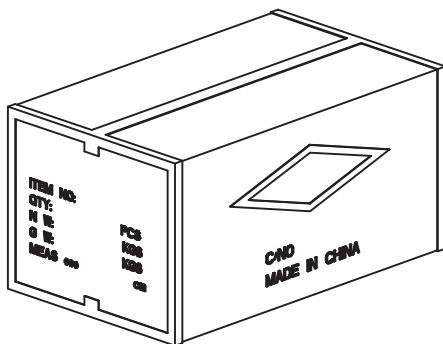
2.PACKING 。



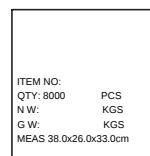
Size:38.0x26.0x33.0cm

8000pcs/Carton

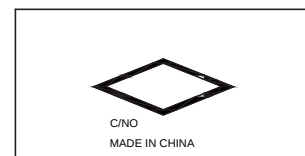
3. SEALING 。



SIDE



FRONT



APPROVED BY : YCX

CHECKED BY : PEAK

DESIGNED BY : CJ