

規格承認書

Approval Sheet

DATE: 2023 / 2 / 9

Customer: 研揚科技股份有限公司

Brand: Sunion

Product: RTC-710AP

Part NO.: ANT-4010-IPX70 固 (A01937-1)

Customer Approved: 客戶承認章



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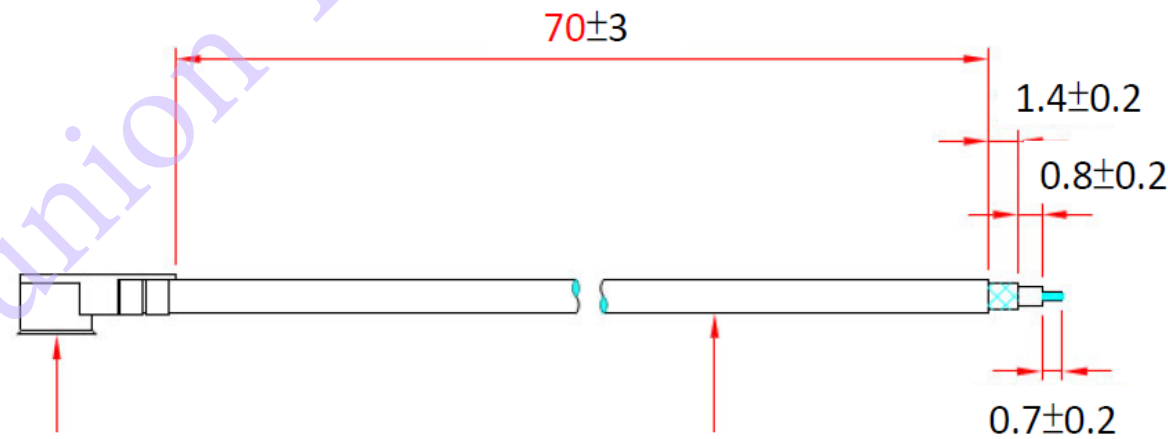
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合法版權聲明

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1. ANT-4010 Specification

Part Number	ANT-4010-IPX70 固
Operation Frequency	13.56MHz
Operation Temperature	-25℃ to + 85℃
Storage Temperature	-25℃ to + 85℃
PCB Dimensions (Unit : mm±0.5mm)	L: 40mm x W: 10mm x H: 1.0mm
 Unit : mm±0.5mm	
CN1 Connector Cable	MHF Connector MINI 1.13 Coaxial Cable 70mm
 (1) I-PEX CONN. (MHF) (2) Φ 1.13 COAXIAL CABLE	

1-2 tape Specification

Dexerials

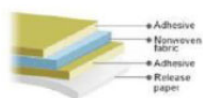
Technical Data Sheet

General-purpose double coated tapes **G4000**

Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- High adhesive quality (heat resistance and weather resistance) for wide ranging applications.
- Excellent bonding to rough surface.

Structure



Main component	Acrylic
Carrier	Nonwoven fabric
Color	Translucent
Adhesive thickness (μm)	About 150
Release paper thickness (μm)	About 120
Bonding strength (N/20mm) *2	11.77
Bonding strength (N/20mm) *3	8.50
St'd size (width & length)	1,020mm × 50m

* UL certificated. UL file No. (UL969 NO.MH15431)

*2 180° peeling strength / substrate : stainless steel SUS304 (surface is polished by #280 sandpaper)

*3 180° peeling strength / substrate : stainless steel SUS304BA

Suitable use

- It is suitable for the material bonding usage of plastic such as nameplates and front panels of electricity and an electronic equipment (ABS, PS, and acrylic resin, etc.) and the metals (aluminum and stainless steel plate, etc.).
- It is suitable for the bonding usage of the packing of electricity and an electronic equipment and the foam materials of damping materials etc. (urethane etc.).

Technical information

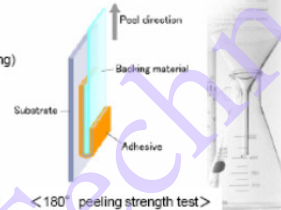
[Remarks]

*The above values are sample observed values, not the guaranteed performance.

1. Bonding strength on various type of substrate (180° peeling)

<Test piece condition>

Tape width: 20mm
Bonding condition: One stroke with 2-kg roller
Measuring condition: 23°C ± 5°C 60% ± 20%RH
Peel speed: 300mm/min
Backing material: 25μmPET
[Left at RT for one hour before measurement]



<180° peeling strength test>

<Results>

	(N/20mm)		
Substrate	ABS	PS	PP
180° peeling strength	14.1	13.0	9.9

2. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel SUS304
(surface is polished by #280 sandpaper)

Bonding area: 25mm × 25mm

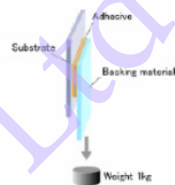
Bonding condition: One stroke with 2-kg roller

[Left at RT for one hour and then at each temperature for 30 minutes before measurement]

[Creep length after one hour application of 1-kg load]

<Results>

Measurement temperature	40°C	60°C	80°C
Creep length (mm)	0.3	0.4	0.6



<Holding power test>

3. Adhesion to urethane foam: Rebouncing proof test (180° peeling)

<Test piece condition>

Substrate ①: (Support material) :AL plate 0.5mm thickness

Substrate ②: Urethane foam 5mm thickness

Tape width: 20mm

Adhesion length: 5mm, 10mm

Measurement temperature: RT23°C, 50°C

Bonding condition: 80% compression



<Rebouncing proof test>

<Results>

Lifting height (mm)		Less than 0.5mm		Left at RT (23°C)	Left at 50°C
Adhesion length 5mm	Ether	3 days		○	○
		7 days		○	○
	Ester	3 days		○	0.5mm
		7 days	0.5mm	0.5mm	0.5mm
Adhesion length 10mm	Ether	3 days		○	○
		7 days		○	○
	Ester	3 days		○	○
		7 days		○	○

Note on the characteristic data given— Data on the characteristics of the products described in this catalog are based on the results of evaluations carried out by the company. This does not guarantee that the characteristics of the product conform with your usage environment. Before use, review the usage conditions based on evaluation data obtained from the equipment and substrates actually used.

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Revision in Dec., 2013

G4000

TDS-009 G4000

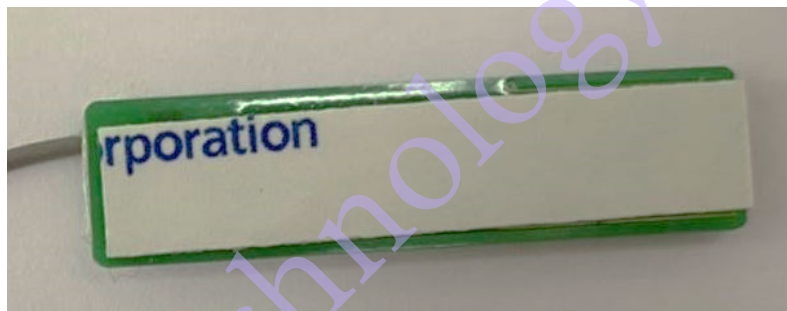
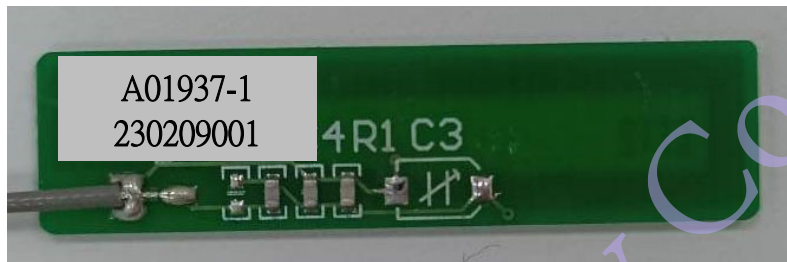
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TDS-009

** 附錄 1 **

ANT&無韌體機種之生產序號貼紙內容

產品料號
西元年月日+生產序號



照片僅供參考

備註:

1. 被動零件使用需符合規格要求但不拘外觀顏色或印刷字樣。
2. 背膠離型紙上的文字可能因為裁切的段落或是黏貼方向而有不同。

修改紀錄

Date	Revise contents
2023/02/09	初版

Sunion Technology Co., Ltd.