

# Ceramic Patch Antenna APPLICATION

**\* 本產品符合 RoHS 條款 \***

**CUSTOMER:** \_\_\_\_\_

Patch: 18x18x4mm

CUSTOMER APPROVAL

普傑國際股份有限公司

Professor Technology Co., Ltd.

APPROVAL BY	CHECKED BY	DRAWING BY

## Explanation of Part Number

G    18    04    XX    P    L20  
(1)   (2)   (3)   (4)   (5)   (6)

- (1) GPS
- (2) Dimension: length x width = 18 x 18 mm
- (3) Dimension: thickness = 4 mm
- (4) Center Frequency  $f_0$  = 15XX MHz
- (5) Patch
- (6) PIN 2.0 mm

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# Ceramic Patch Antenna

## Application

Automotive, recreational, military, marine, aviation, surveying

## Typical Electrical Properties

Characteristics	Specification	Unit	Conditions
Center Frequency $f_0$	15XX.0 $\pm$ 3.0 *	MHz	治具 不含背膠
Bandwidth	7.0 min	MHz	Return Loss $\leq$ -10dB
Gain at Zenith	+3.5 typ.	dBi	@15XX.0 MHz*
Gain at 10° elevation	-2.5 typ.	dBi	@15XX.0 MHz*
Impedance	50	$\Omega$	參考值
Frequency Temperature Coefficient	0 $\pm$ 20	ppm/°C	-40°C to +85°C
Axial Ratio	3.0max	dB	@15XX.0 MHz

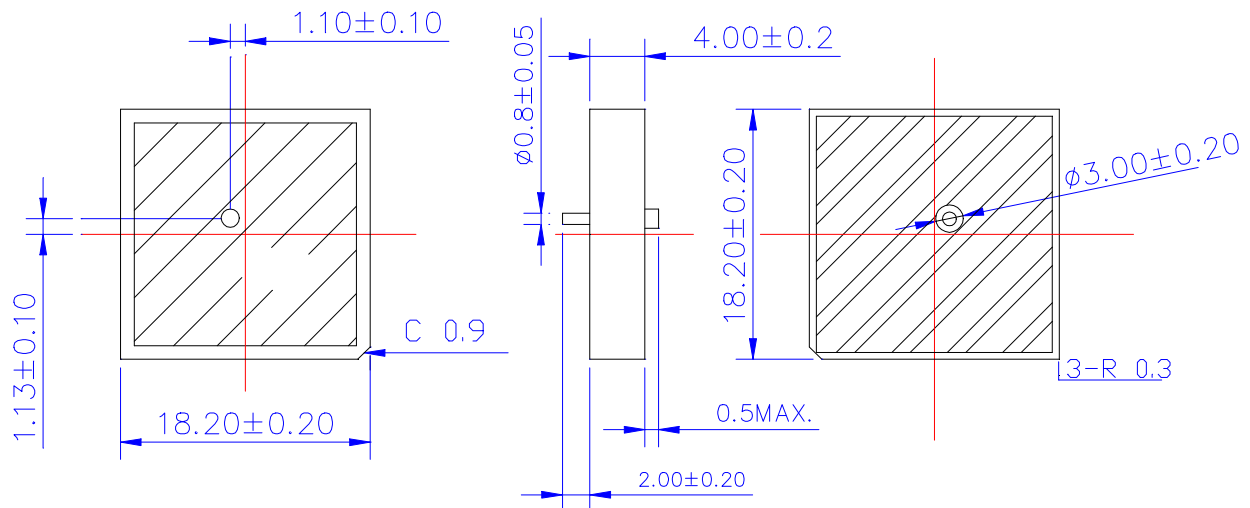
※ Those spec are for super standard only.

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# Product Dimension



Unit : mm

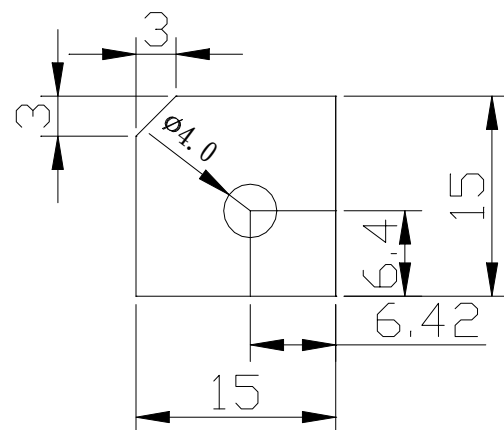
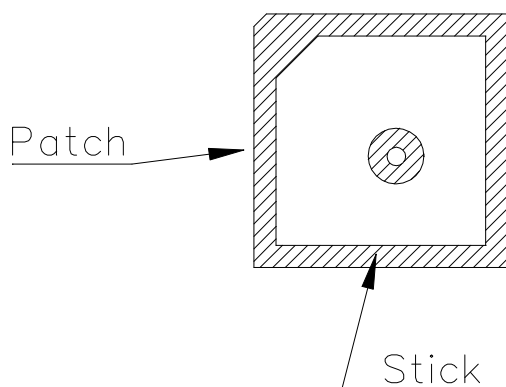
## Stick Type Position at Ceramic Patch Antenna

Thickness:  $0.21 \pm 0.02$  mm

Release Liner:  $0.13 \pm 0.01$

Dimension: mm

Stick type: 3M-9472



Tolerance:  $\pm 0.5$  mm

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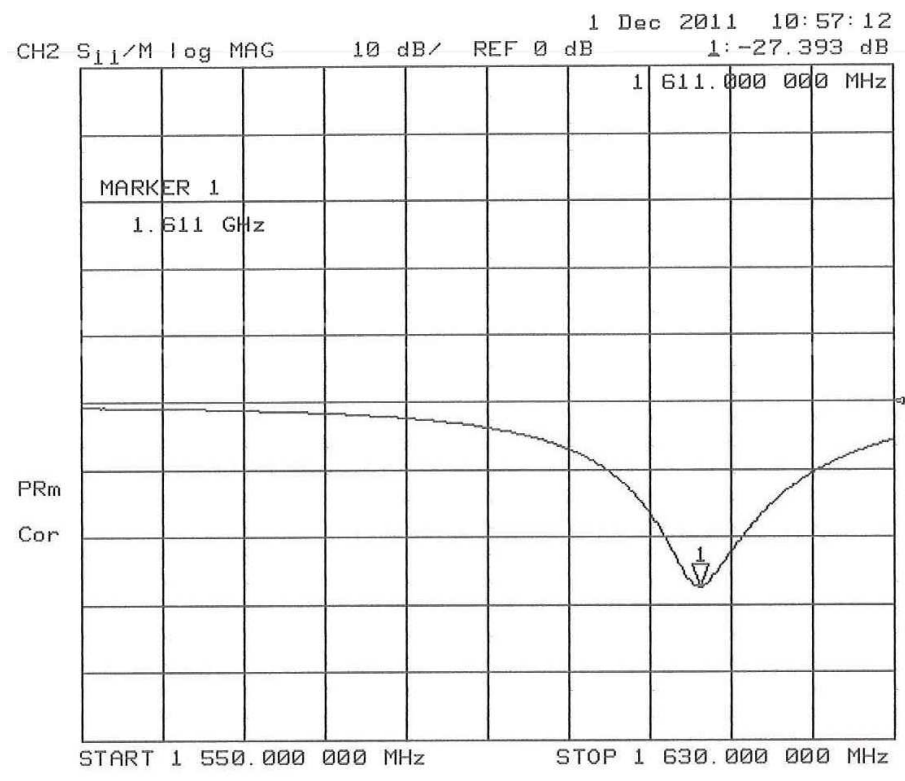
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**GPS-18x18x4(mm)**

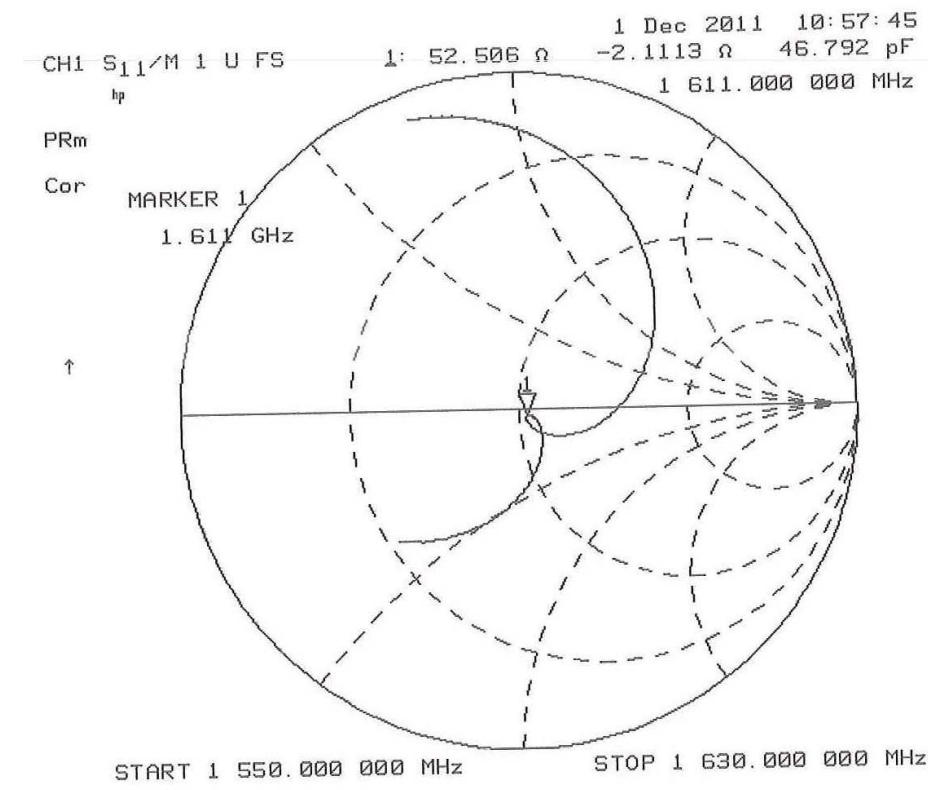
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# Reflection Coefficient



# Input Impedance on a Smith Chart



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**PACKAGE:**

TRAY SIZE: 285× 155 × 16 (mm)

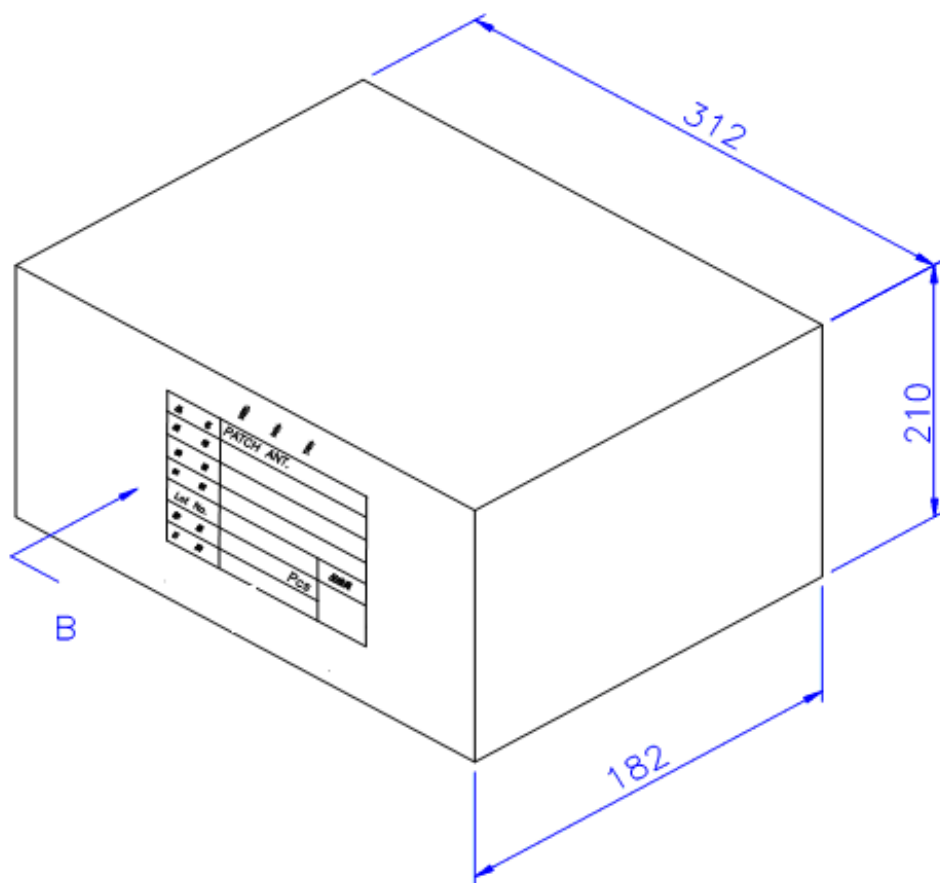
BOX SIZE: 312 ×182 × 210(mm)

A TRAY: 50 pcs

A BOX: 16 trays

A BOX: 800 pcs

NET WEIGHT: 5.7 kg



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**DOCUMENT  
NO.**

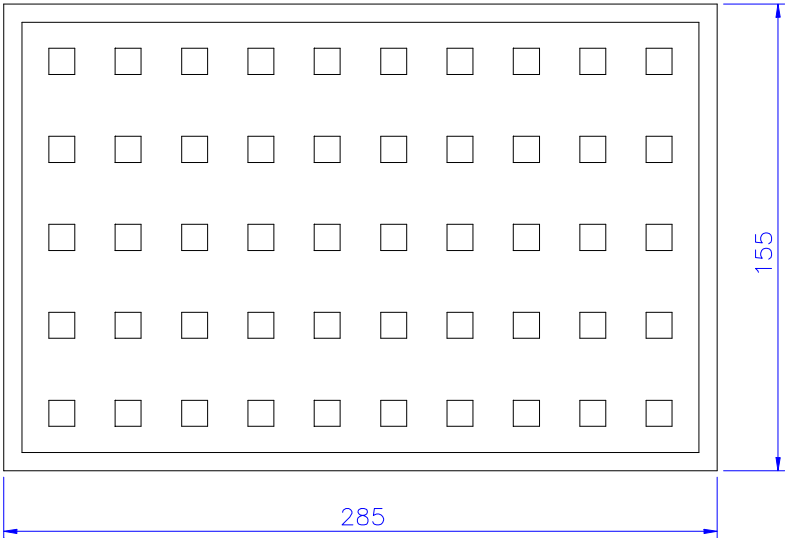
**GPS-18x18x4(mm)**

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檢 查 表	
品 名	PATCH ANT.
圖 號	
備 註	
料 號	
Lot No.	品檢員
數 量	Pcs
日 期	

DETAIL B



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