# PADGPS-J2J2G-103-18M

# **Engineering Specification**

## **1. Typical Electrical Properties**

### GPS L1:

Characteristics	Specification	Unit	Conditions
Center Frequency	1584±2	MHz	
Peak Gain	2.0 typ.	dBic	
Axial Ratio	<3	dB	Noto: (1)
S <sub>11</sub>	≦-10	dB	Note. (1)
Impedance	50	Ω	
Polarization	RHCP		
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C ~ + 85°C

### GPS L5:

Characteristics	Specification	Unit	Conditions
Center Frequency	1176±2	MHz	
Peak Gain	-0.1 typ.	dBic	
Axial Ratio	<3	dB	Notes (1)
S <sub>11</sub>	≦-10	dB	
Impedance	50	Ω	
Polarization	RHCP		
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C ~ + 85°C

Note: (1) Patch antenna is located on 70x70mm ground plane. PADGPS-J2J2G-103-18M, G: Green parts (RoHS compliance) -103 are the code of project number, -18M show of appendix

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# 3. Patch Antenna Performance and Characteristic Data on 70x70mm **Ground Plane**

3.1 Smith Chart and Return Loss:



#### 3.2 3D Circular Polarization Gain Pattern: (unit: dBic)



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2020/03/06



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### (3) Option appendix "M" denotes marking needed

Marking configuration

- 3.1 Logo **G** for INPAQ logo
- 3.2 Type G for green product antenna
- 3.3 Three digits 103 are the code of our project number



# Patch top electrode

# 9. Packing Specification

9-1 包裝方式 Packing Flow

Follow packing number PKS000000760, GPS N 系列包裝規格(抗靜電)

### 9-2 Packing Material List

•		
項次	料號	品名
1	800001097908	金属抗静电袋 610*380mm
2	800001201007	包裝內箱 390*275*90mm
3	800001406009	Partition Board 345*245mm
4	800000399303	Plastic tray(6*5pcs 黑色抗靜電)
5	800000700302	Carton-O,420*305*390mm
6	800001401207	天地板 360*320mm
7	800001100202	EPE PKG BUFFER 50*40*5mm

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