



SPECIFICATION

SPEC NO. : **SP03AB15753-0020**

PART NO. : **031005050E00100**

PRODUCT NAME : **GB-200**

DESCRIPTION : **Ceramic Patch(25x25x4.0)
On 25x25x0.5mm PCB**

With 30mm I-PEX Cable

ROHS Compliant Product

1.0 SCOPE

This specification covers the dielectric Patch antenna for **GPS**

2.0 Name of the product

This product is named “**GB-200**”.

3.0 Electrical characteristics

3-1 Electrical characteristics of antenna

The antenna has the electrical characteristics given in Table 1 under the *cirocomm* standard installation conditions shown in the figure of Evaluation Board.

Table 1

No	Parameter	Specification
1	Work Frequency	1575.42±1.023MHz
2	Center Frequency (Without PCB)	1595MHz ± 3MHz (With70×70mm GND Plane)
5	Bandwidth	15MHz min
6	VSWR	1.5 max (@center frequency)
3	Center Frequency (With PCB)	1592MHz ± 3MHz (With82.7×70.6mm GND Plane)
5	Bandwidth	20 MHz min
6	VSWR	1.5 max (@center frequency)
4	Dimension	Patch Antenna:25.1×25.1×4.0mm PCB: 25.1×25.1×0.5mm
7	Polarization	RHCP



8	Impedance	50 Ω
9	Operating Temperature	-40~105°C
10	Termination	Ag (Environmentally-Friendly Pb Free)
11	Connector	IPEX Ø1.13 30mm + IPEX (F)

4.0 Shape and Dimension

