

DATA SHEET

WIRELESS COMPONENTS

Ceramic Patch Antenna
ANT2020B00FT2300A

SDARS

PIN 20 × 20 × 4 mm



FEATURES

- High radiation efficiency
- Pin-solder process
- RoHS compliant

APPLICATIONS

- SDARS system

ORDERING INFORMATION

All part numbers are identified by the series, packing type, material, size, antenna type, working frequency and packing quantity.

PART NUMBER

ANT 2020 B 00F T 2300A
(1) (2) (3) (4) (5) (6)

(1) PRODUCT

ANT = Antenna

(2) SIZE

2020 = 20 x20 mm

(3) ANTENNA TYPE

B = Bulk Antenna

(4) SERIAL NO.

00F

(5) PACKING STYLE

T = Tray

(6) WORKING FREQUENCY

2300 = 2.3 GHz

PHYCOMP CTC

CAN43134259F2301B

I2NC

43134259F230

SPECIFICATION

Table I

DESCRIPTION	VALUE
Operating Frequency	2320-2345 MHz
Bandwidth	82 MHz (Typ.)
Gain	6.46 dBic (Typ.)
VSWR	2.0 Max..
Polarization	Left Hand Circular Polarization
Axis Ratio	≤ 3 dB (Typ.)
Impedance	50 Ω
Operating Temperature	-40~105 °C

NOTE

1. Based on 50×50 mm² square ground plane.
2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
3. Please contact local sales if you need customized design to gain optimum antenna performance.

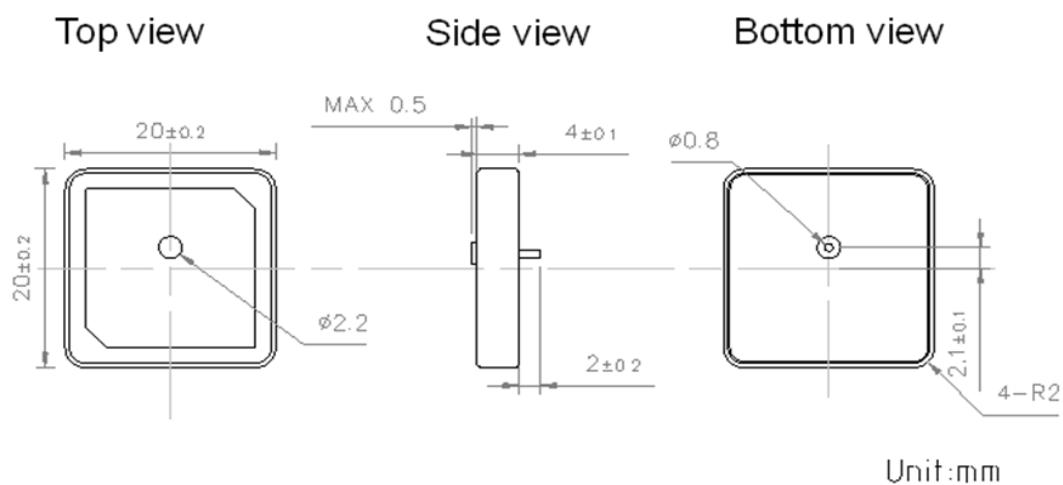
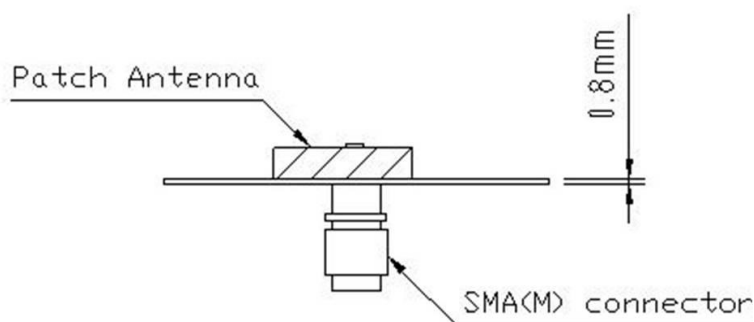


Fig. 1 Mechanical Data



Ground Plane Size: 50*50 mm²

Fig. 2 Evaluation Board

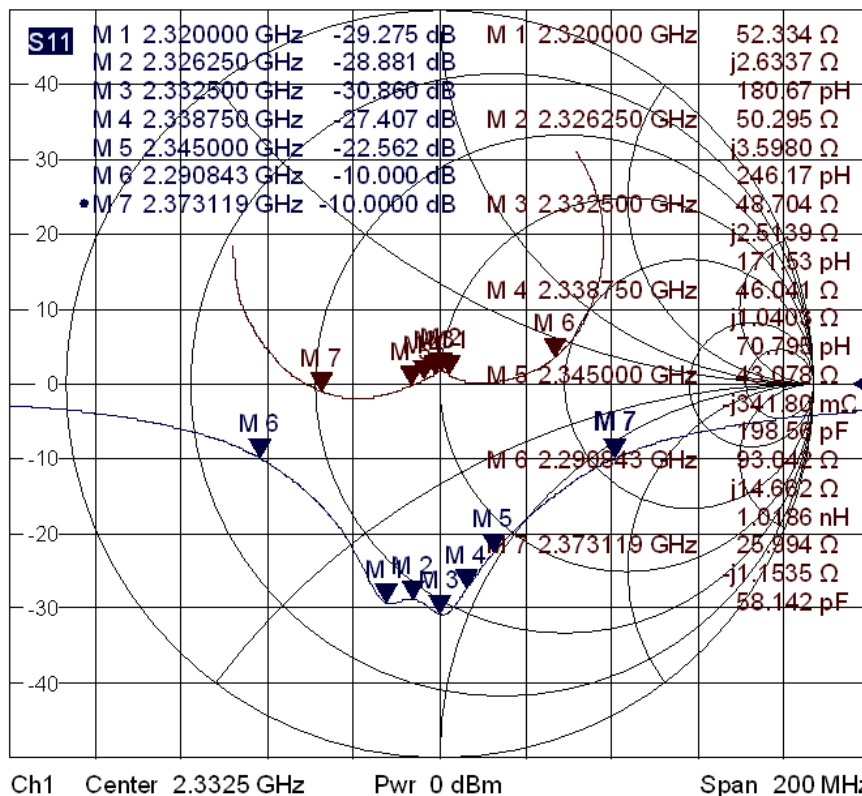
ELECTRICAL PERFORMANCES


Fig. 3 Return loss

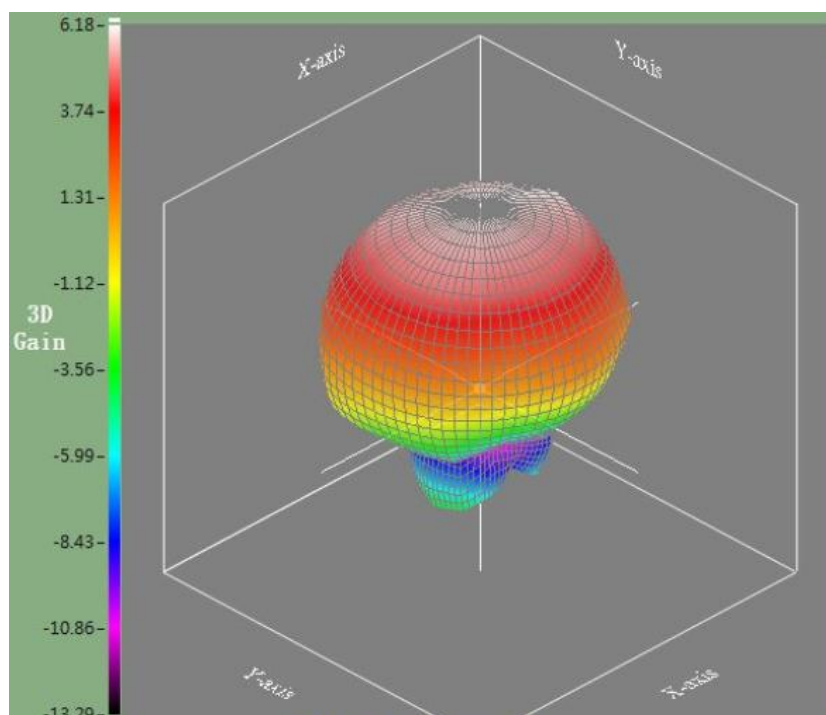


Fig. 4 3D Radiation Pattern (Frequency = 2320MHz)

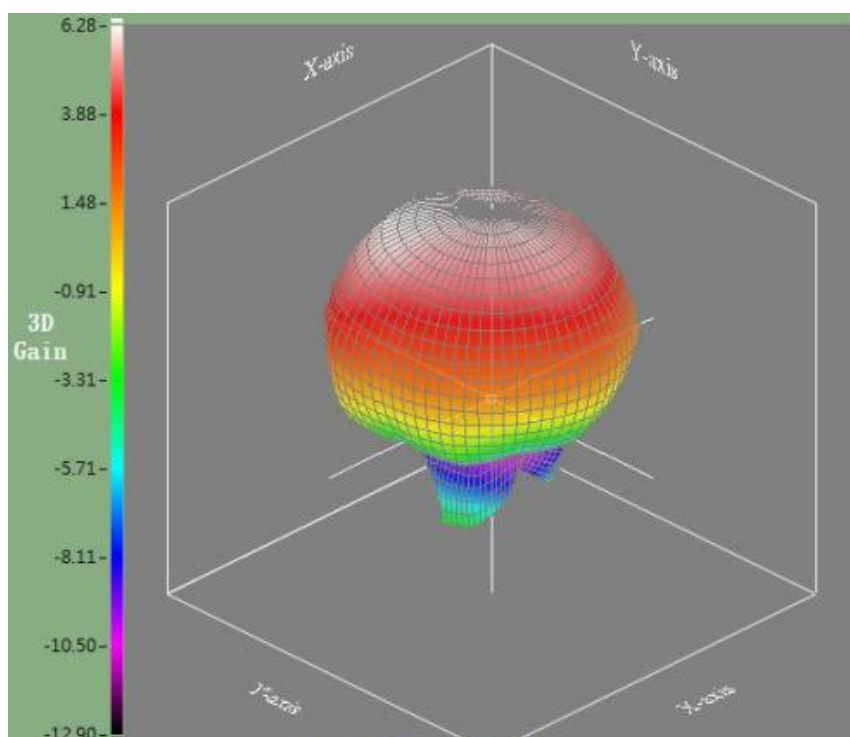


Fig. 5 3D Radiation Pattern (Frequency = 2332.5MHz)

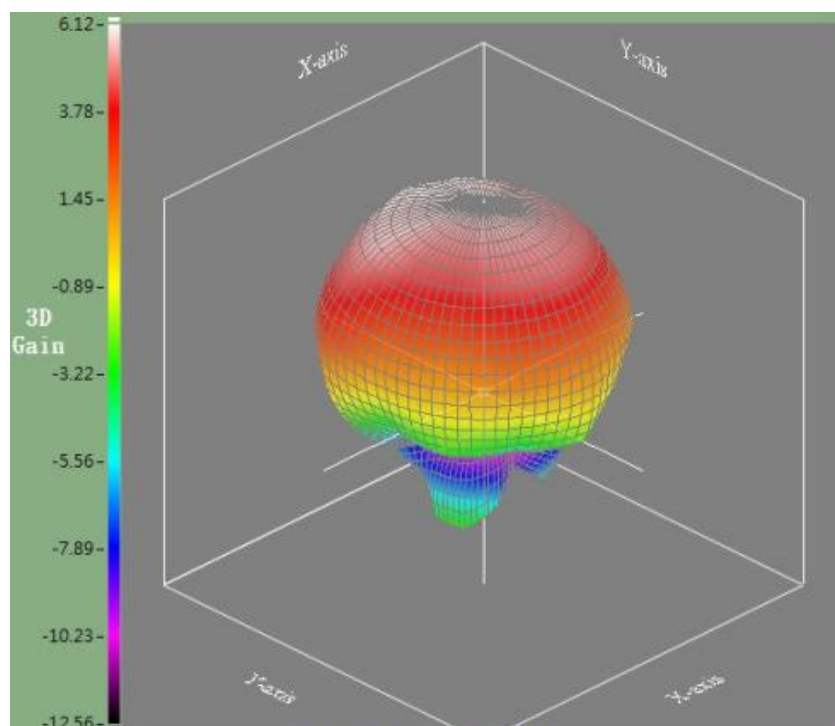


Fig. 6 3D Radiation Pattern (Frequency = 2345MHz)

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
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Version 0	Mar. 10, 2015	-	- New data sheet for Patch antenna, PIN Feed size 20×20×4 mm
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