

DATA SHEET

WIRELESS COMPONENTS

Ceramic Antenna ANT3505B000TWPENA

PENTA-BAND 3505 Series







Ceramic Antenna

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FEATURES

- Compact Size
- High radiation efficiency
- Multi-band coverage
- Reflow process compatible
- RoHS compliant

<u>APPLICATIONS</u>

- Global cellular natwork devices
- Telematics
- Cellular boradband access
- M2M module

ORDERING INFORMATION

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

PART NUMBER

ANT 3505 B 000 T WPENA

(1) (2) (3) (4) (5) (6)

(I) PRODUCT

ANT = Antenna

(2) SIZE

 $3505 = 35 \times 5 \text{ mm}$

(3) ANTENNA TYPE

B=Bulk Antenna

(4) SERIAL NO.

000

(5) PACKING STYLE

T = Tray

(6) WORKING FREQUENCY

WPEN=0.8/0,9/1.8/1,9/2.1 GHz

PHYCOMP CTC

CAN4313449009181B

12NC

431344900918



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<u>SPECIFICATION</u>

-Table I

| DESCRIPTION | VALUE |
|-------------------------------|----------------------------------------|
| Working Frequency | 824~960 / 1710~2170 MHz |
| Bandwidth | 140MHz / 470 MHz (Typ.) |
| Return Loss | 6.26 / 5.03 dB min |
| Polarization | Linear |
| Azimuth Beamwidth | Omni-directional |
| Peak Gain | 2.91 dBi(Typ.) |
| Impedance | 50 Ω |
| Operating Temperature | - 40~105 °C |
| Maximum Power | 4 W |
| Termination | Ag (Environmentally-Friendly Leadless) |
| Resistance to Soldering Heats | 260 °C , 10sec. |

NOTE

I. The specification is defined on Yageo evaluation board

DIMENSIONS

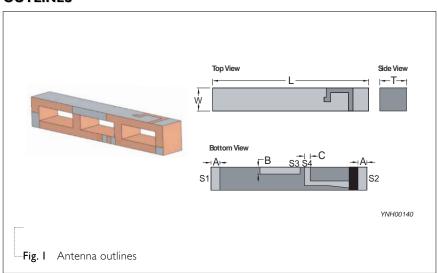
Table 2 Machinical Dimension

| | DIMENSION |
|--------|-------------|
| L (mm) | 35.00 ±0.20 |
| W (mm) | 5.00 ±0.20 |
| T (mm) | 6.00 ±0.20 |
| A (mm) | 2.00 ±0.20 |
| B (mm) | 1.50 ±0.20 |
| C (mm) | 1.27 ±0.20 |
| | |

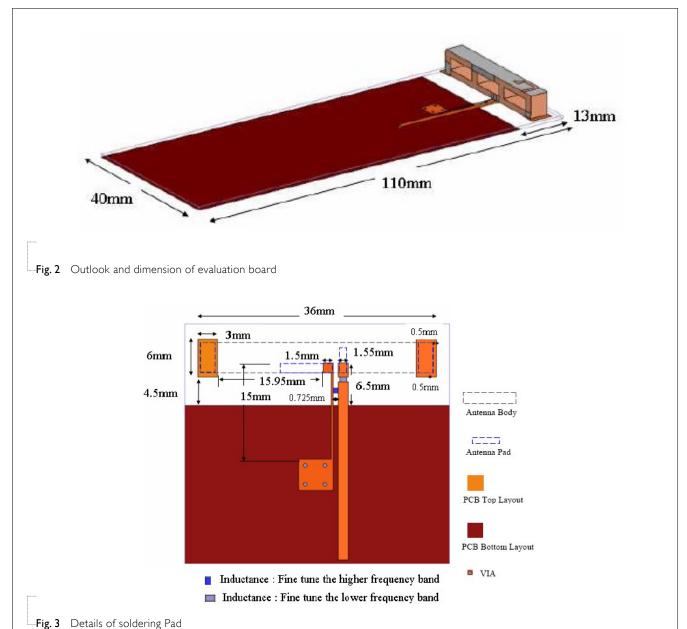
Table 3 Termination configuration

| TERMINAL NAME | FUNCTION |
|---------------|-----------------|
| SI | Soldering Point |
| S2 | Soldering Point |
| S3 | GND |
| S4 | Feeding Point |

OUTLINES



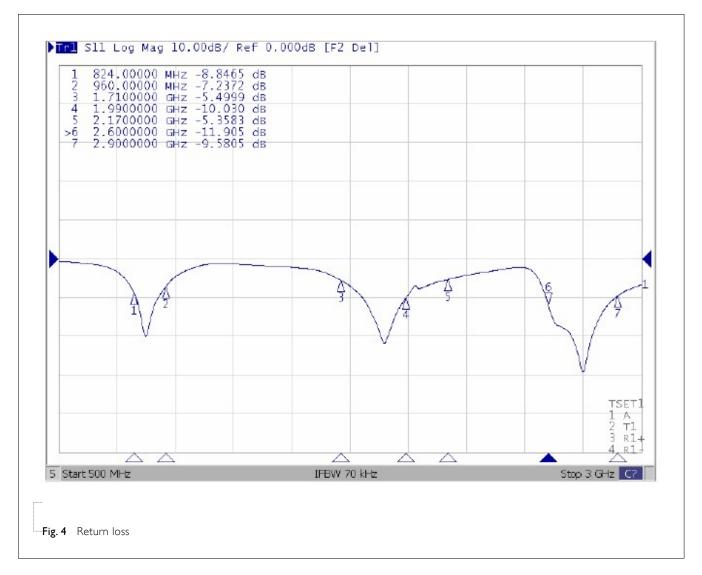
REFERENCE DESIGN OF EVALUATION BOARD



<u>5</u>

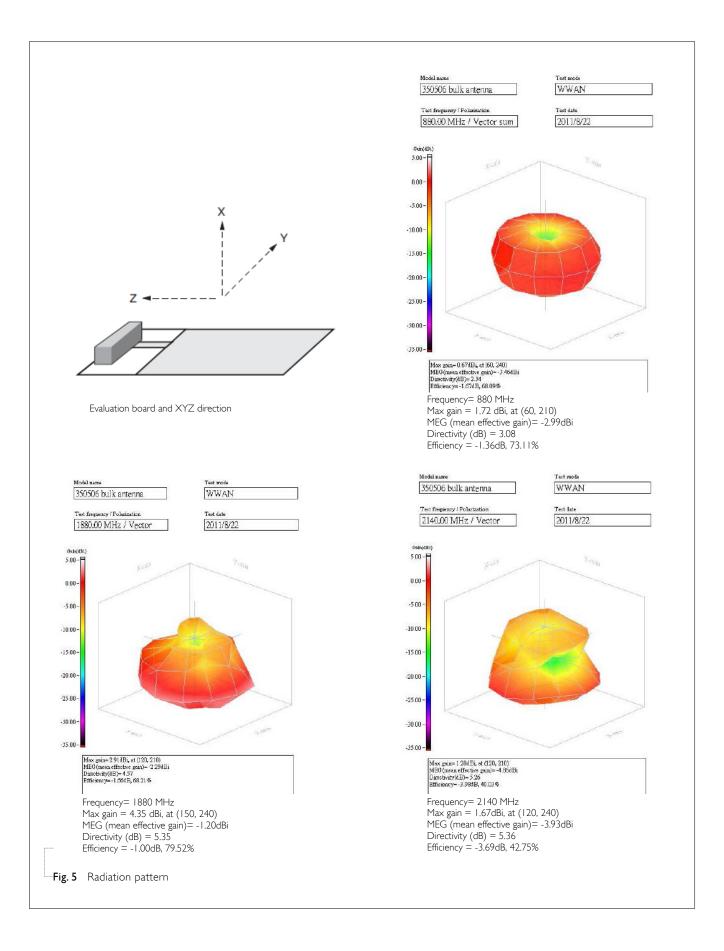
ELECTRICAL PERFORMANCES

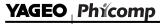
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Product specification

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REVISION HISTORY

Version 0 Feb. 23, 2013 -

New data sheet for SMD type antenna, WWAN application,

3505 series



单击下面可查看定价,库存,交付和生命周期等信息

>>Yageo(国巨)