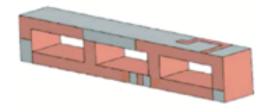


Description: 3505 PENTA Band Chip Antenna

PART NUMBER: ANT3505B002TWPENS

Features:

- Size: 35.0x5.0x6.0 mm
- High radiation efficiency
- Multi-band coverage
- Reflow process compatible
- RoHS compliant



Applications:

- Global cellular network devices
- Telematics
- Cellular broadband access
- M2M module

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

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Description: 3505 PENTA Band Chip Antenna

PART NUMBER: ANT3505B002TWPENS

ELECTRICAL SPECIFICATIONS

Working Frequency 824~960 / 1710~2170 MHz **Bandwidth** 140MHz / 470 MHz(Typ.) **Return Loss** 2.8 / 3.5 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 Ag (Environmentally-Friendly Leadless) **Termination** 260°C , 5sec. Resistance to Soldering Heats

NOTE

1. The specification is defined on Pulse evaluation board

MECHANICAL DRAWING

	Dimension	
L (mm)	35.0 ±0.20	
W (mm)	5.00 ± 0.20	Top View Side View
T (mm)	6.00 ± 0.20	_ - L
A (mm)	2.00 ± 0.20	w I i
B(mm)	1.50 ± 0.20	<u> </u>
C(mm)	1.27 ± 0.20	
		Bottom View

Terminal name	Function
S1	Soldering Point
S2	Soldering Point
S3	GND
S4	Feeding Point

YNH00140

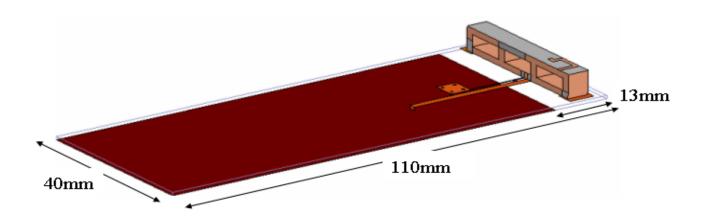
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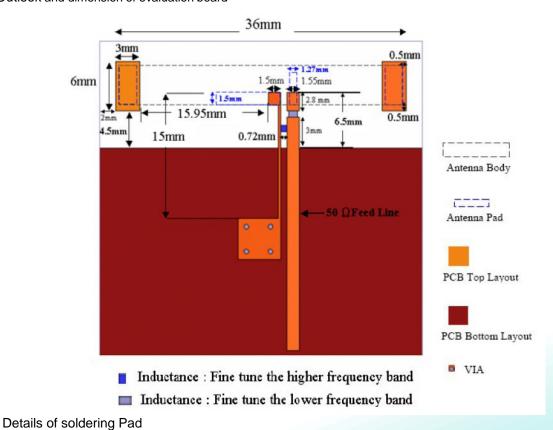
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REFERENCE DESIGN OF EVALUATION BOARD



Outlook and dimension of evaluation board



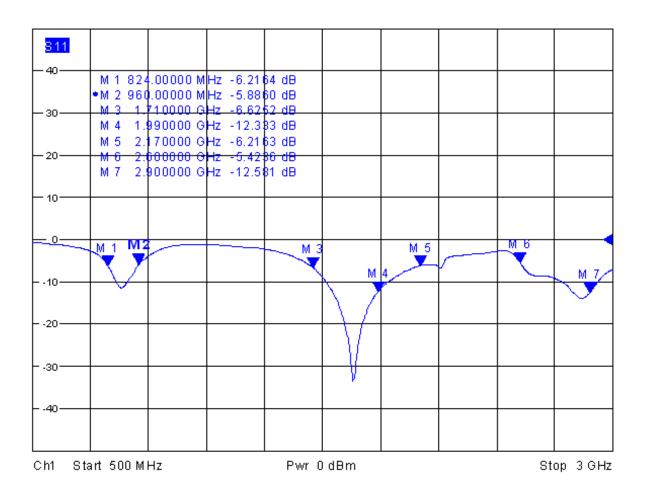
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Description: 3505 PENTA Band Chip Antenna

PART NUMBER: ANT3505B002TWPENS

ELECTRICAL PERFORMANCES



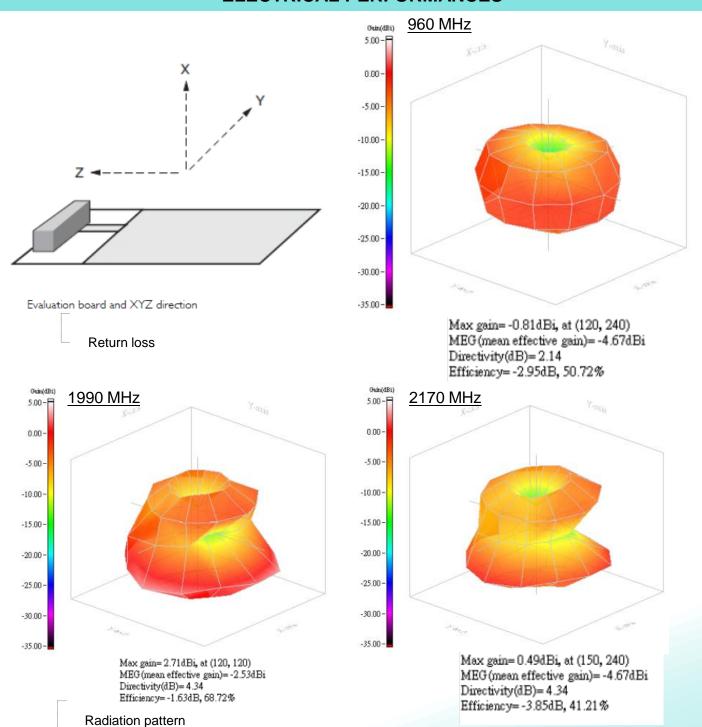
Return loss



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ELECTRICAL PERFORMANCES



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Description: 3505 PENTA Band Chip Antenna

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REVISION HISTORY	

RevisionDateDescriptionVersion 1Oct. 14, 2020- New issue