

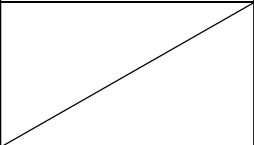
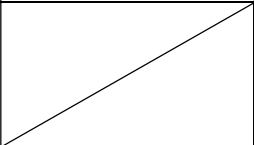
DOC. NO	CW-070502	ANTENNA SPECIFICATIONS	REV. NO	0
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Product Name : 27MHz Band 1/4λ Monopole Antenna

Model Name: DT-3300NCP

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Release				
Sign.	Written	Checked	Checked	Approved
	J.R.Park			
Date	2007-5-7			

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1. Descriptions

This monopole Antenna has the 1/4wavelength helical coil elements on the plastic bobbin covered TPE, designed for 27MHz band wireless communication unit.

2. Application

☒ Hand Held ☒ Fixed ☐ Mobile ☒ Out Door ☒ In Door ☐ Others

3. Antenna Shape

See attached

4. Electrical Performance

4.1 Frequency Range

27 MHz Band (Fc=26.3MHz)

4.2 Impedance

Nominal Value 50 Ohm

4.3 V.S.W.R

Less than 1 : 3.5 (at Fc)

4.4 Antenna Radiation Pattern

Omni-Directional

4.5 Antenna Polarization

Vertical

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4.6 Antenna Gain (dBi)

Unity (≤ 0dBi)

5. Mechanical Specifications

5.1 Element

Material	φ0.18 Cu
Finish	UEW
Electrical Length	1/4 Wavelength

5.2 Connector

Type	Stud (M6x0.75)
Material	Brass
Finish	Ni-plating

5.3 Bobbin

Material	PA 66
Finish	-

5.4 Sleeve

Material	TPE
Finish	Black

5.5 Antenna total length

See Attached

5.6 Antenna Weight

13 gram

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6. Environmental Resistance Performance

6.1 Operating Temperature

– 30℃ ~ 70℃

6.2 Storage Temperature

– 40℃ ~ 80℃

6.3 Humidity

95% RH / 50℃

7. Attached

1. Antenna Specifications Drawing
 2. Antenna Performance Data
- . V.S.W.R

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2. Antenna Performance Data

(Test Equipment : HP-8753ES)

- VSWR

