

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	/	/	<i>VhL</i>
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°C ~ 70°C

6.2 Storage Temperature

- 40°C ~ 80°C

6.3 Humidity

95% RH / 50°C

7. Attached

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

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[Attached] 1. Antenna Specifications Drawing

CHINWOOTECH

No	Revision note	Date	Sign	Check

Title	Rev.No	DWG No.	Tolerance	Unnoted	Scale	Unit
DT-3300NCP	0	0001	x=0.2 x.x=0.1 x.xxx=0.05		N/S	mm
File name	Date	Designed	Checked	Approved-date		
dt3300ncp-stud	060913	J.R.Park	원승기원			

No	Title/Name	Material	Finish/Color	Remarks
4	Sleeve	TPE	Black	
3	Element	Cu	UEW	
2	Bobbin	PBT		
1	Stud	Brass	Ni-plating	

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2. Antenna Performance Data

(Test Equipment : HP-8753ES)

- . VSWR

