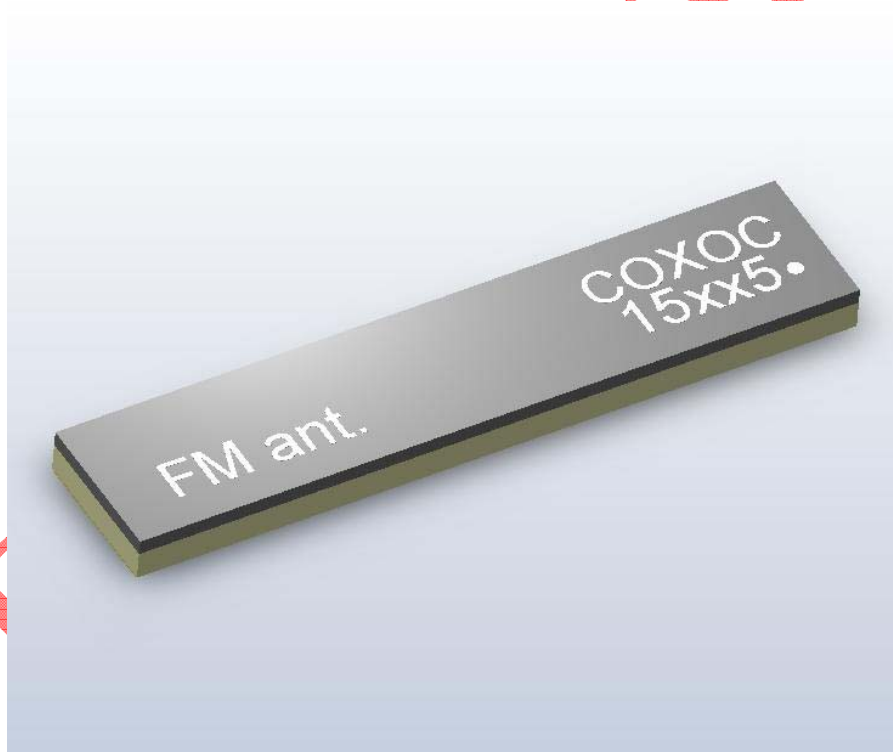




FM Band
<Patent Pending>

Approval Sheet

FM Antenna



925D01E15XX5X13

Ver. 1.05

2008/01/04

CHANT SINCERE CO., LTD.

DESCRIPTIONS

The exciting **925D01E15XX5X13** is one of the world's HIGH-PERFORMANCE FM 88~108MHz small antennas. It is for FM Radio, Mobile phone, Audio Player applications. This FM antenna comprises a radiating structure of multiple meandered conducting strips, which are developed on a tiny piece of Printed Circuit Board (PCB) and packed with a Thermal Plastic dielectric composite material to achieve size, performance characteristics and cost effectiveness superior to other designs. The dimensions is 24.15 mm (L) x 5 mm (W) x 1.5 mm (T).

FEATURES

- Ultra-Thin, Light Weight (0.3g)
- Miniaturized Size
- Omni-Directional Antenna Pattern
- Wide Bandwidth
- Favorable Linear Polarization
- Thermal Plastic Insert Molding Technology
- Cost-Effective

APPLICATIONS

- FM Radio
- Mobile Phone
- Audio Player

SPECIFICATIONS

■ 925D01E15XX5X13



KEY FEATURES:

- Ultra-Thin, Light Weight (0.3g)
- Miniaturized Size
- Wide Bandwidth
- Cost-Effective

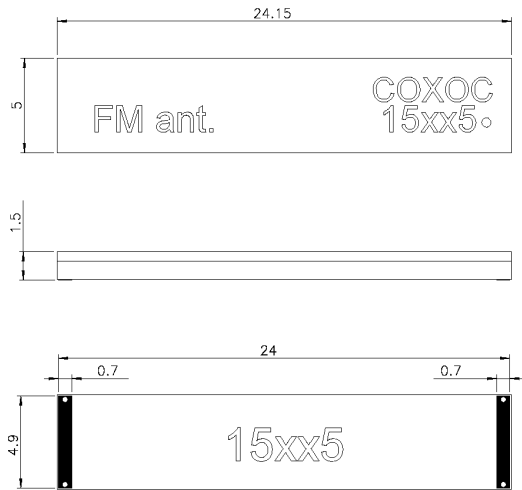
MAIN APPLICATIONS:

- FM Radio
- Mobile

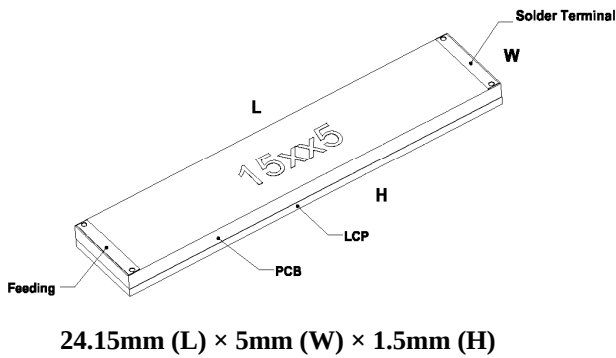
	FM Antenna
Dimension (mm ³)	24.15×5×1.5
Frequency (MHz)	FM 88~108 MHz
Polarization	Linear
Pattern	Omni-Directional
Impedance (Ω)	50Ω
Construction	Thermal Plastic Insert Molding

CHARACTERISTICS

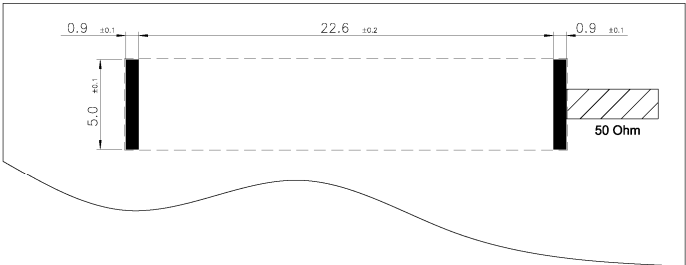
Shapes & Dimension



Construction

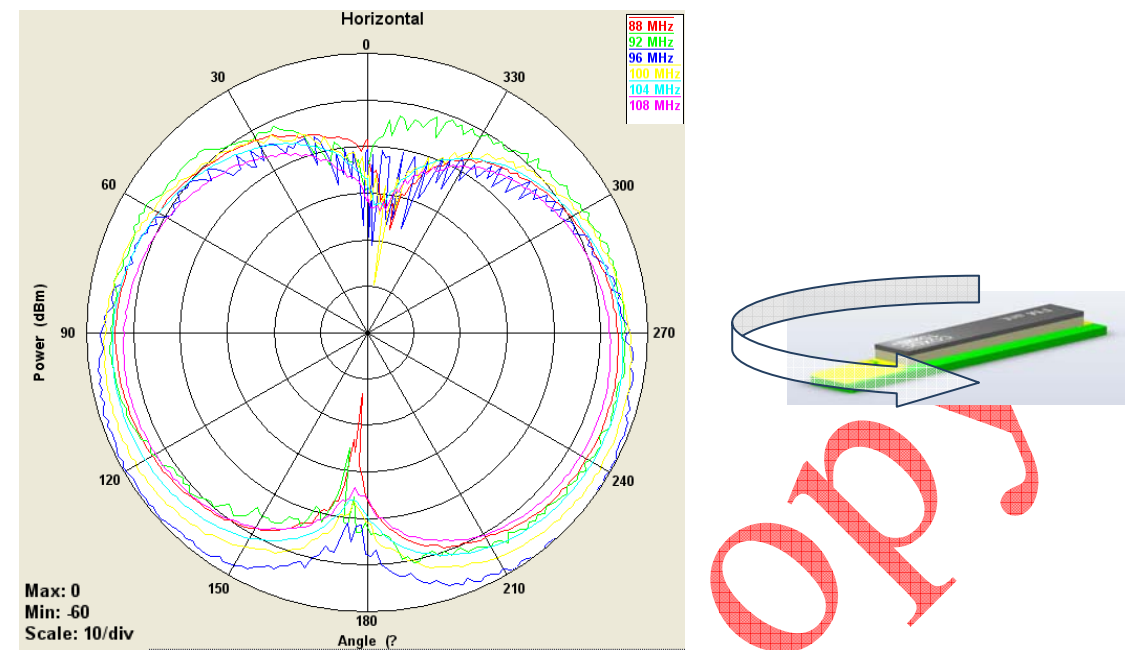


Pad Layout (unit: mm)



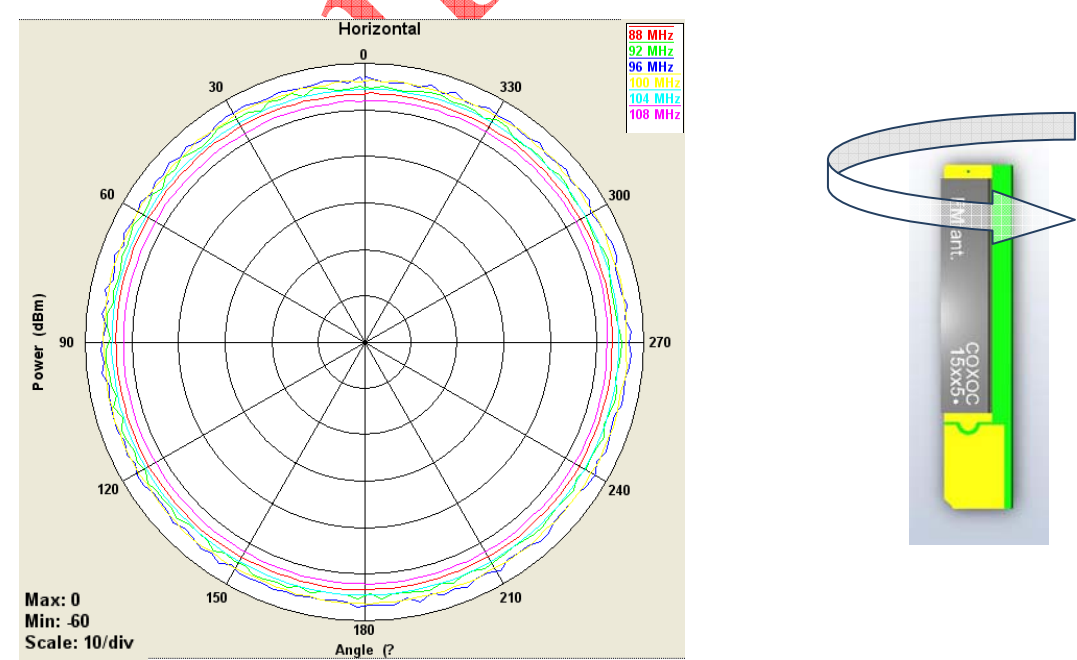
RADIATION PATTERN (unit: dB)

Frequency=98Mhz E_Co-Pol



	FM Antenna Band		
Frequency (MHz)	88 MHz	98 MHz	108MHz
Gain Max (dB)	-5.76	0.25	-7.22
Gain Min (dB)	-47.02	-41.47	-33.79
Gain Average (dB)	-9.33	-4.73	-10.83

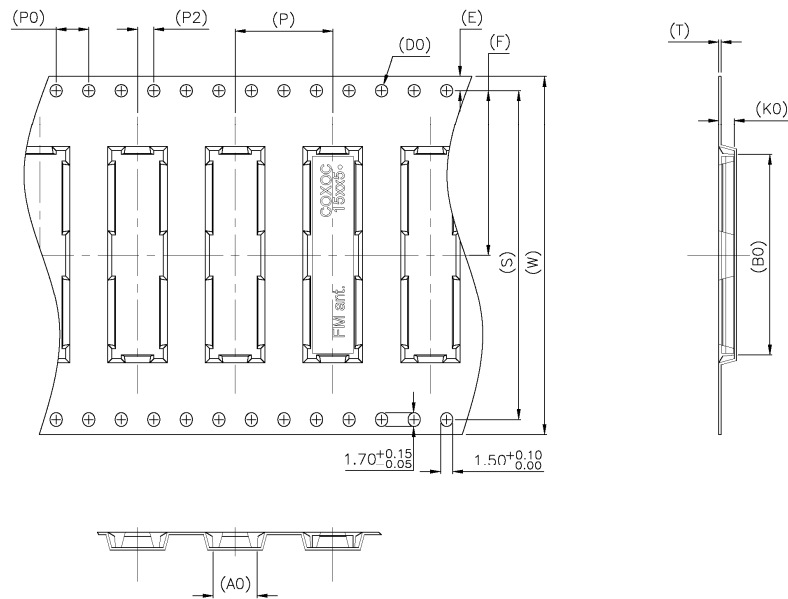
Frequency= 98Mhz H_Co-Pol



	FM Antenna Band		
Frequency (MHz)	88 MHz	98 MHz	108MHz
Gain Max (dB)	-6.52	-2.90	-7.83
Gain Min (dB)	-7.04	-4.46	-8.55
Gain Average (dB)	-6.83	-3.72	-8.18

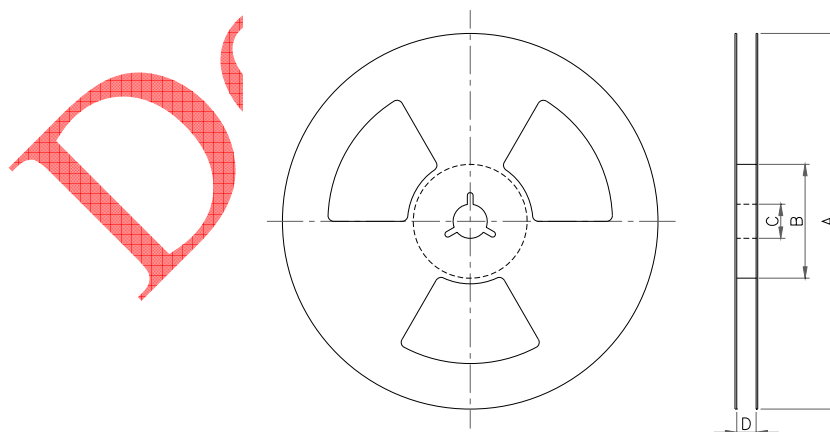
PACKING

Plastic Tape Specification (unit: mm)



Index	W	S	E	F	T	P
Dimension(mm)	44 ± 0.3	40.4 ± 0.1	1.75 ± 0.1	20.2 ± 0.15	0.3 ± 0.05	12 ± 0.1
Index	P0	P2	D0	A0	B0	K0
Dimension(mm)	4 ± 0.1	2 ± 0.15	$\Phi 1.5^{+0.15}_{-0}$	5.4 ± 0.1	24.6 ± 0.1	1.9 ± 0.1

Reel Dimensions (unit: mm)



Index	A	B	C	D
Dimension(mm)	$\Phi 330$	$\Phi 100$	$\Phi 13.5$	44

Taping Quantity: 2K pieces per 13" reel.

HOW TO ORDER

925 D01 E 15 XX5 X13

1 2 3 4 5 6

1. SERIED NO.

925=FM Antenna

2. TYPE

D01=24x5mm²

3. ENVIRONMENT PROTECTION MATERIAL

E=RoHS

4. THICKNESS

15=1.5mm

5. FREQUENCY

115 = Chip type model I (Higher Frequency)

015 = Chip type model II (Default)

6. PACKING TYPE

0 = Tray

C = Tape Reel

CHANGE:

1. Change 3D Pattern

2. Change 3D Pattern & Add Packing type option

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