



TopGain

SPECIFICATION

DESCRIPTION	Chip Antenna
PART NO.	CH108-2505-000D1-01
VERSION	V01

頂益科技有限公司

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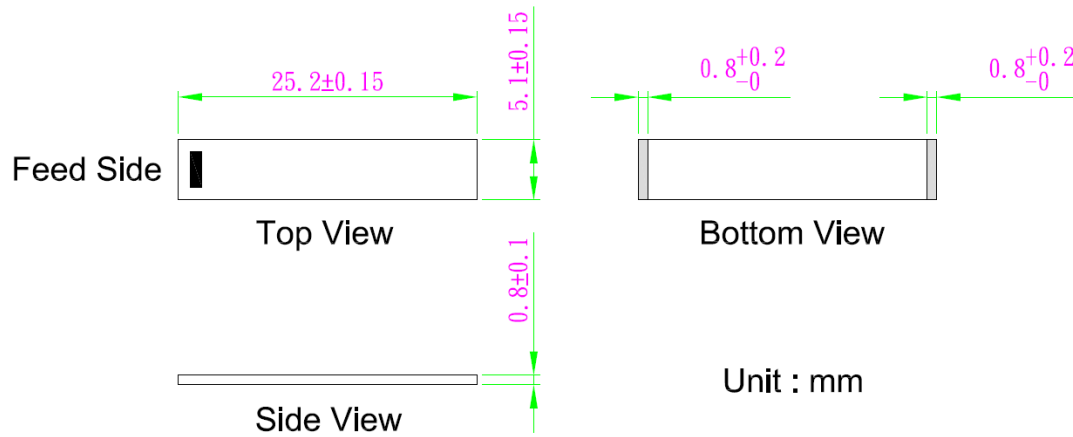
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1. Antenna Specification

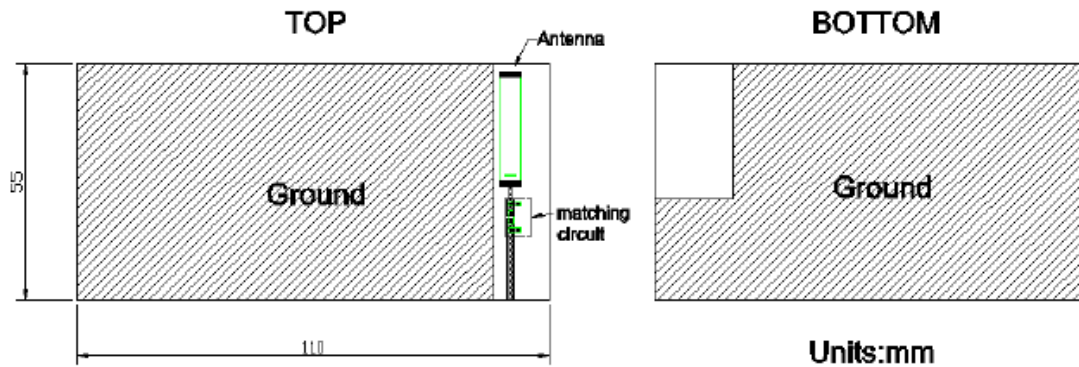
Outline Dimensions	25.2x5.1x0.8(mm)
Ground Plane Dimensions	110×55(mm)
Frequency Range	88MHz ~ 108MHz
Impedance	50 Ohm Nominal
Polarization	Linear Polarization
Material	Polymer Substrate
Color	Black

2. Antenna Dimension

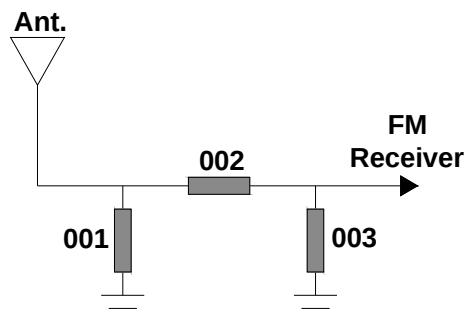


3. Test Data

3.1 Type A Test Board with Antenna

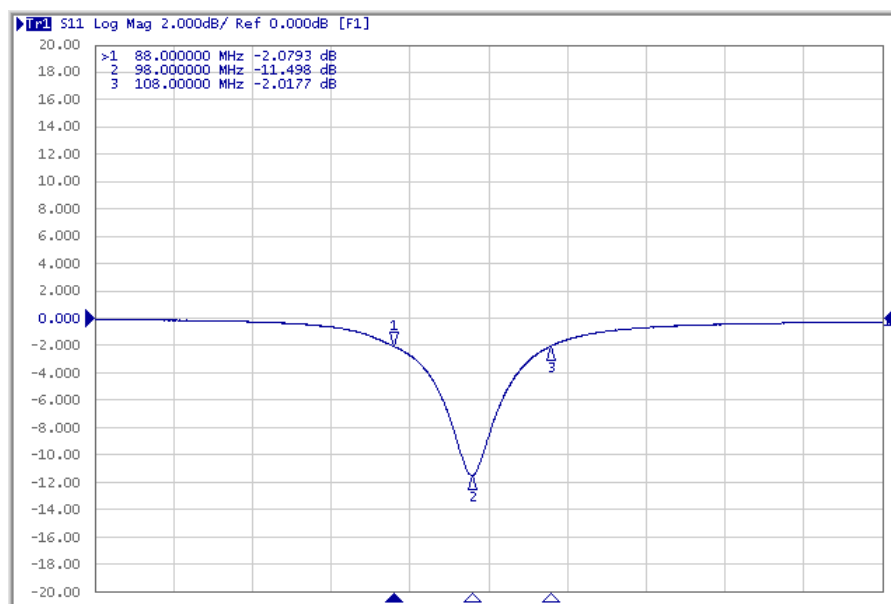


3.1.1 Recommend Matching Circuit

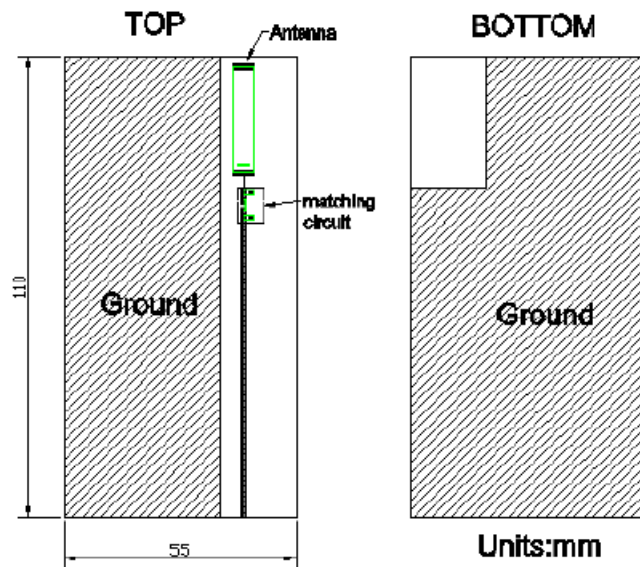


System Matching Circuit Component		
Location	Description	Vendor
001	1.8pF±0.25pF	TDK(C1005C0G)
002	680nH±5%	TDK(MLG1608S)
003	N/A	—

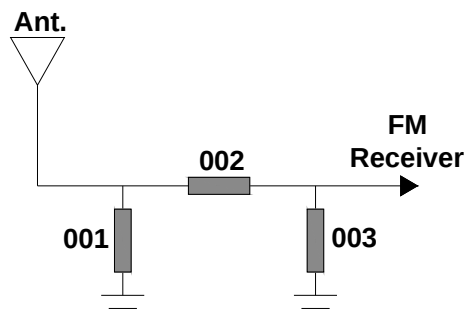
S11



3.2 Type B Test Board with Antenna

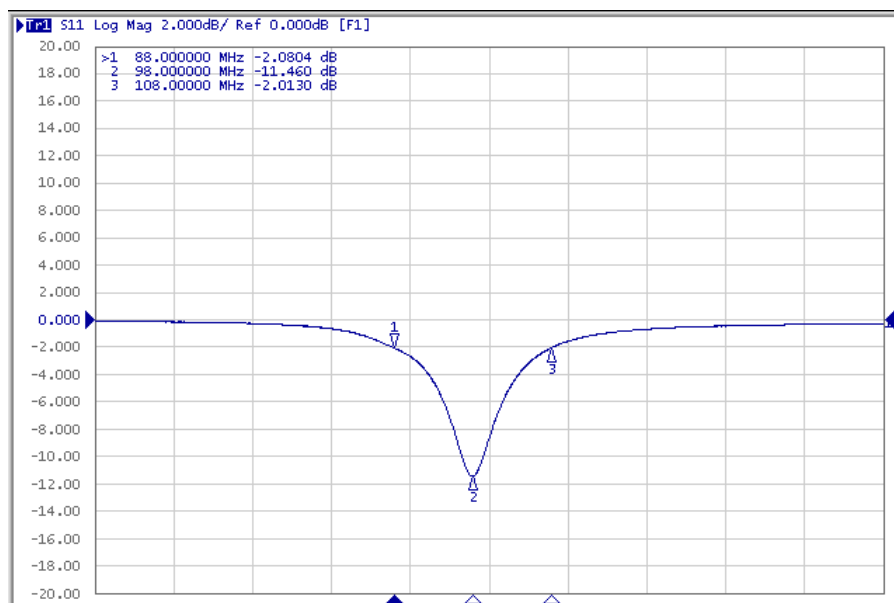


3.2.1 Recommend Matching Circuit



System Matching Circuit Component		
Location	Description	Vendor
001	1.8pF±0.25pF	TDK(C1005C0G)
002	680nH±5%	TDK(MLG1608S)
003	N/A	—

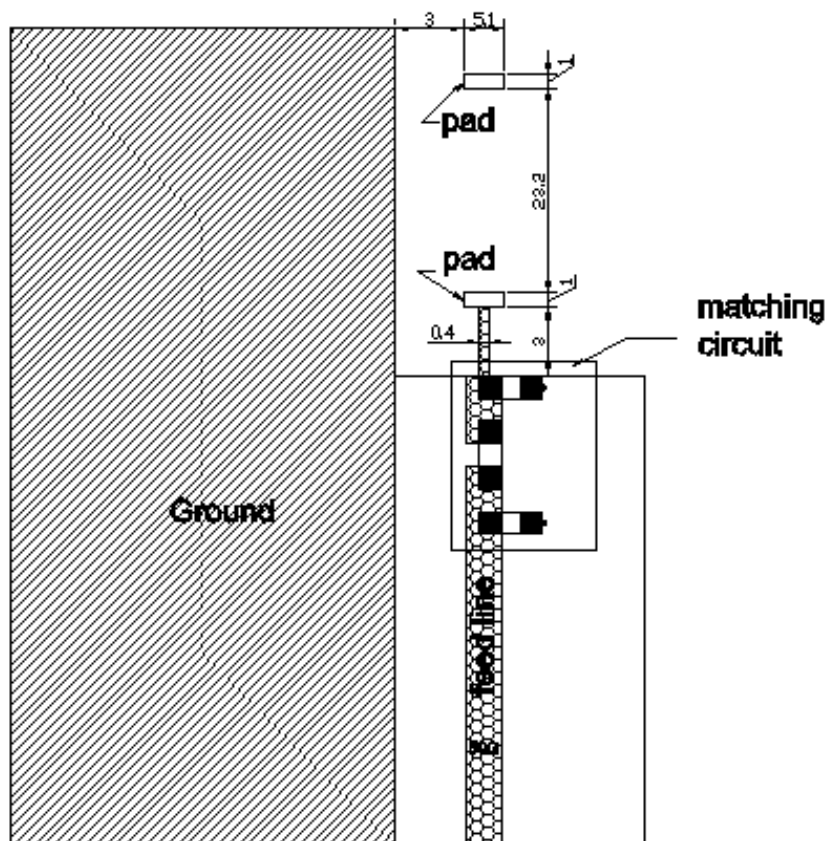
S11



4. Layout Guide:

4.1 Solder Land Pattern:

Soldering pads are as shown below. Depending on Customer's requirement, matching circuit as shown below is also recommended .



5. Soldering Conditions:

a. Typical Soldering Profile for Lead-free Process

