

ANT-8COIL17

Features

- Bandwidth 868MHz +/-5%
- Gain 2.5dBi
- Material Phosphor Bronze
c/w Protective Sleeve
- Vertical Polarisation
- VSWR < 1.6
- Omni-Directional Design
- 50ohm Impedance
- Operating Temp -30 to +65°C
- Max Power 1W



Applications

- General Low Power Radio
- IOT / M2M Applications
- Telemetry

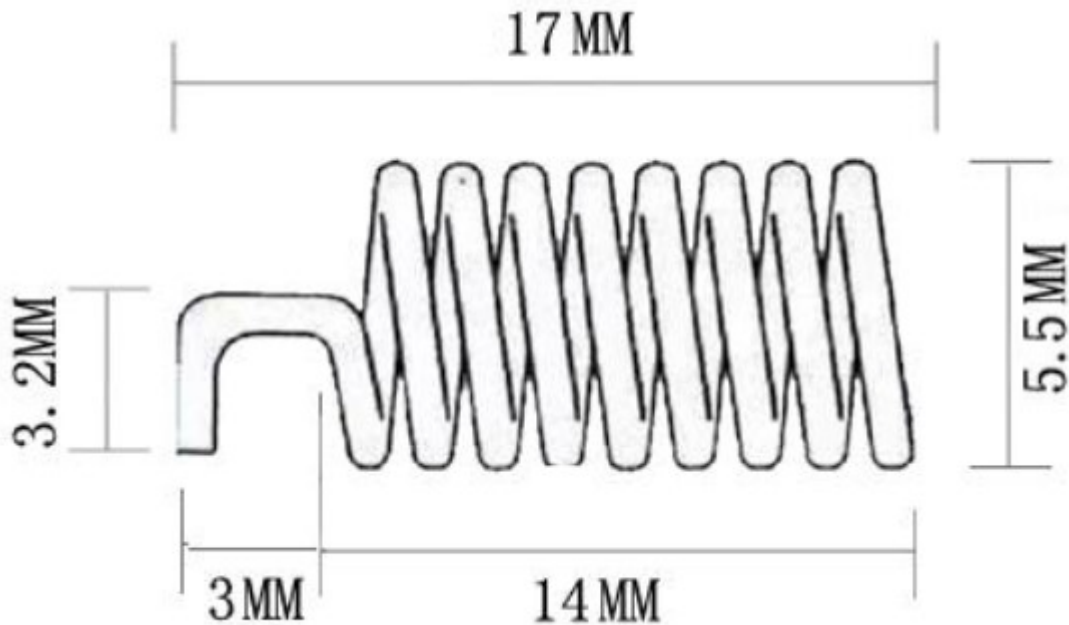
Description

A compact Spring Coil antenna for very small space saving applications.

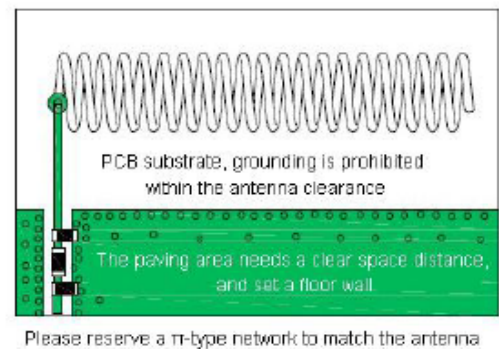
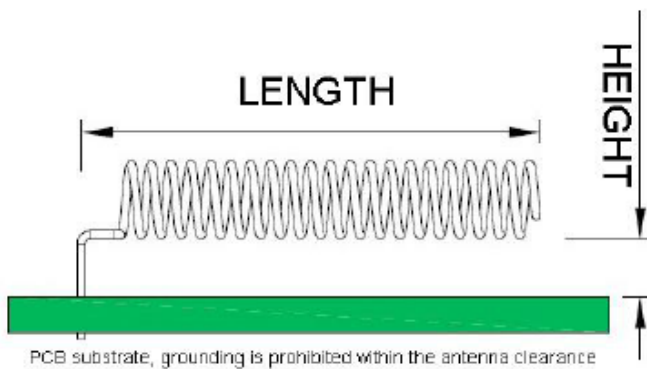
Ordering Information

Part No	Description
ANT-8COIL17	Spring Coil Antenna 17x5.5mm +2.5dBi PCB Mount

Mechanical Dimensions



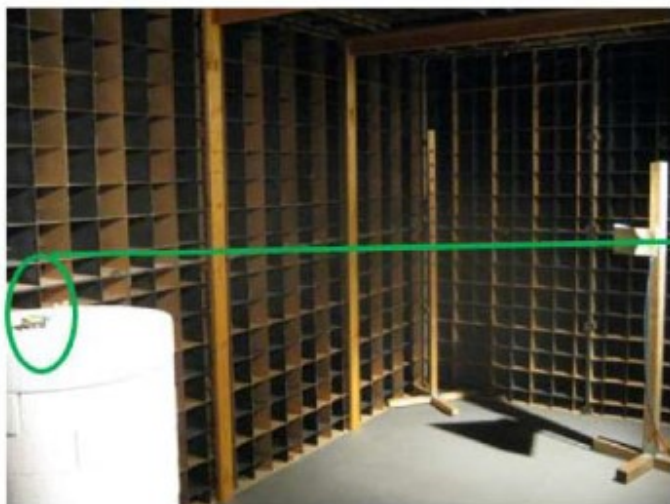
Application



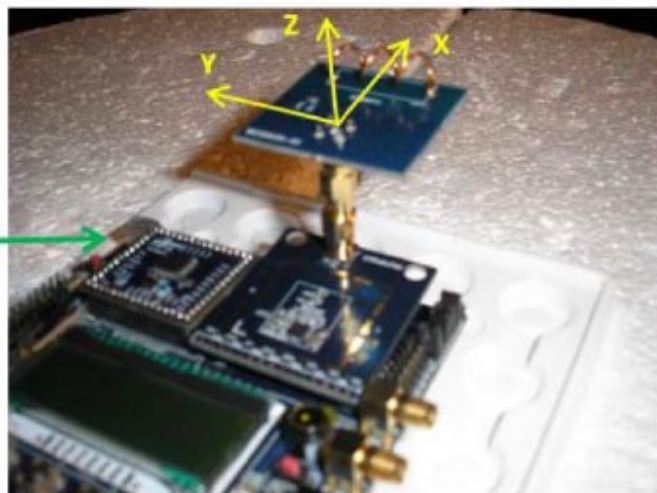
Mount the Antenna leaving a ~3-5mm gap edge from the PCB Ground plane.

Ideally an impedance matching network is employed between RF source and the antenna to reduce losses between the two. This may be a standard P type network combined with impedance controlled PCB tracks.

Test Environment

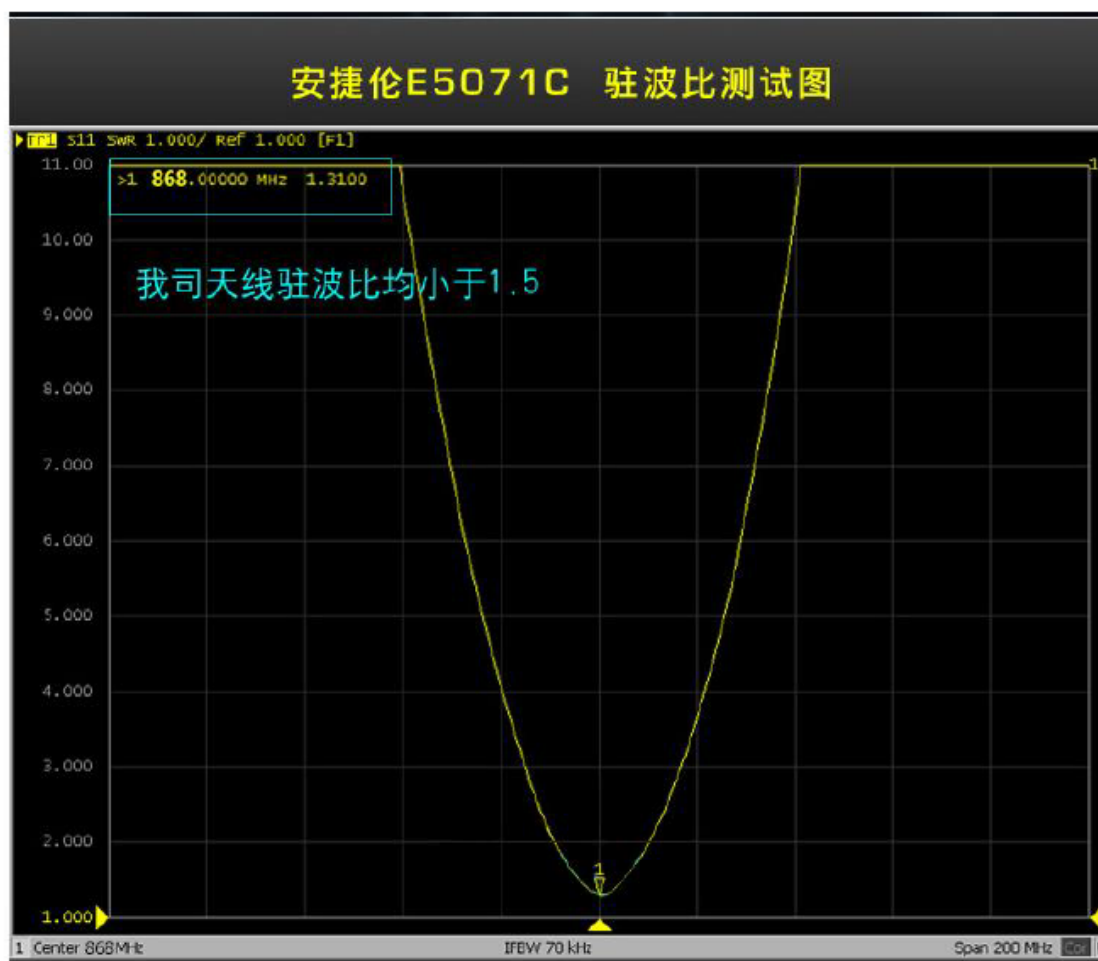


Dark Room Test



XYZ direction test

Performance / Return Loss



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Meets the following EC Directives:

DO NOT Discard with normal waste, please recycle.

ROHS Directive 2011/65/EU and amendment 2015/863/EU

Specifies certain limits for hazardous substances.

WEEE Directive 2012/19/EU

Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfils its WEEE obligations by membership of an approved compliance scheme.

Environment agency registration number **WEE/JB0104WV**.



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