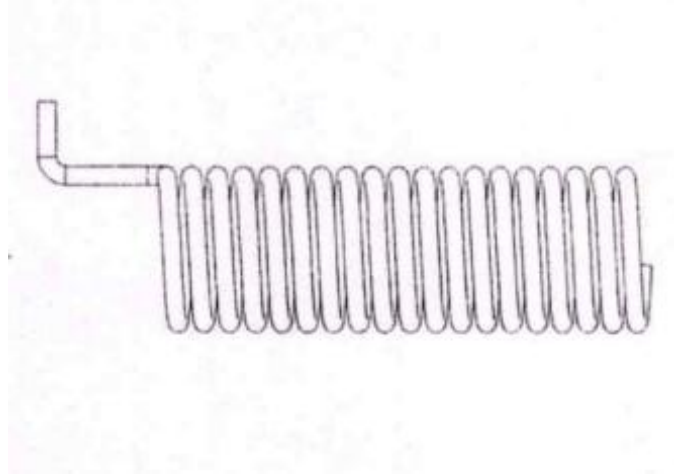


B99-RC1353-00A-02

Specification for 433 MHz Spring Antenna



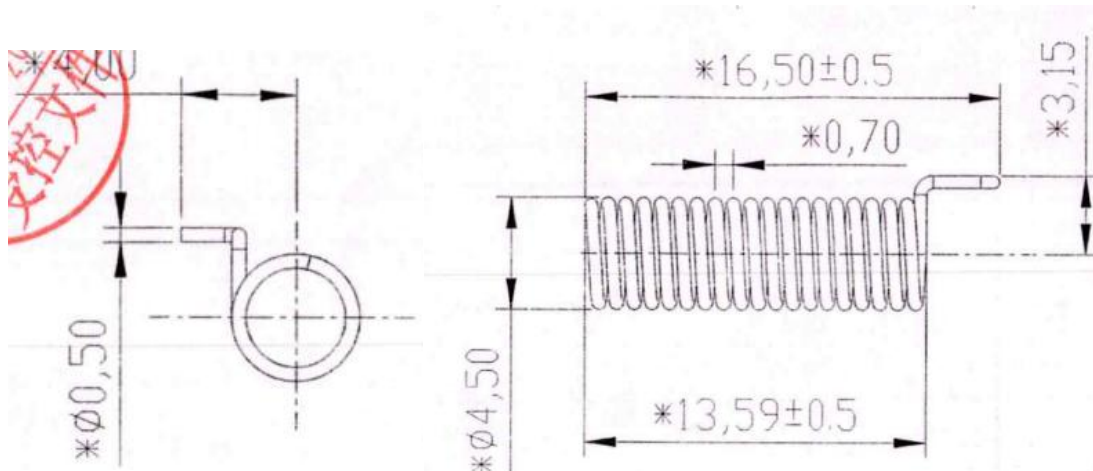
1-Product description

RC1353-00A spring antenna is specially designed for 433 MHz wireless application, constructed by carbon steel and features a spring structure that provide a small physical footprint and high reliability. The antenna has good S-parameter with a ideal omnidirectional radiation pattern, which could be easily apply to various wireless application.

2-Antenna performance parameter

- Center frequency: 433 MHz
- VSWR < 2
- Gain: 2-3 dBi
- Input impedance: 50 Ω
- Radiation Pattern: Omnidirectional
- Interface form: Direct welding

3-Dimension



4-S11 Respond and VSWR

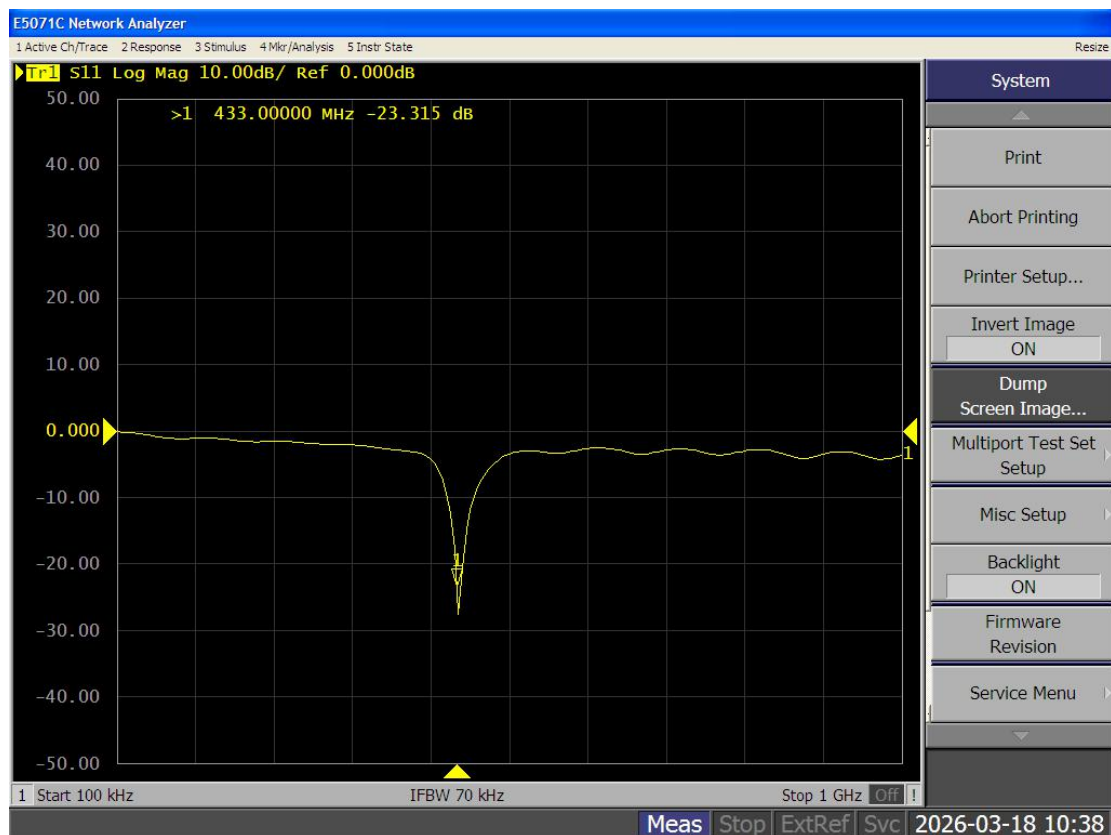
Frequency: 433 MHz

VSWR:1.242



Frequency: 433 MHz

$S_{11} \approx -23\text{dB}$



5-Radiation Pattern

M2: 2.6 dBi

