

NFC Antenna

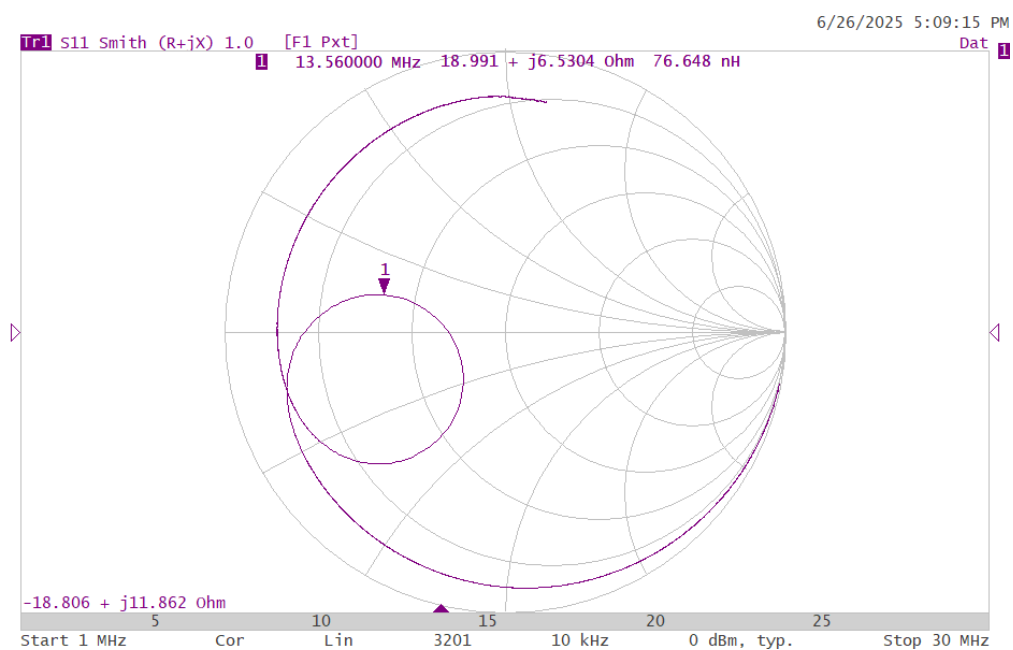
Brand: Hong-Bo

Part No.: 290-11602

Antenna Specification

Antenna Type	Loop Antenna
Measurement frequency	13.56MHz +/-150Khz
Antenna length	81.75 mm
Antenna width	20 mm
Antenna thickness	3.65 mm
Antenna inductance	1.29 μ H
Antenna Rs	1.26 Ω
Antenna Rp	2517 Ω
Self-resonance Frequency	77.34 MHz
Antenna Ra	3.27 Ω
Antenna Ca	3.28pF
Antenna Q factor	33.6
Part Number	290-11602

Antenna Smith Chart



Components/Partrevisions

Number	Component Specification	Package	Value
Rn1 、Rn2	62.5mW , 1% , 50V	0402	2.2k ohm
Rq1 、Rq2	62.5mW , 1% , 50V	0402	0 ohm
Cs1 、Cs3	C0G/NP0 , 2% , 50V	0402	33 pF
Cs2 、Cs4	C0G/NP0 , 2% , 50V	0402	10 pF
Cp1 、Cp3	C0G/NP0 , 2% , 50V	0402	150 pF
Cp2 、Cp4	C0G/NP0 , 2% , 50V	0402	27 pF

