

Winmate Inc.

Antenna Specification

Project: M133WK-5
Version:20251203
Issue Date: 2025/12/03

Contents

1. RFID ANTENNA SPECIFICATION	3
1.1. ELECTRICAL CHARACTERISTICS	3
2.2. MECHANICAL CHARACTERISTICS	3
2.3. ENVIRONMENTAL CHARACTERISTICS	3
2.4. RF PERFORMANCE CHARACTERISTICS	4
2.4.1.RETURN LOSS	4
2.5. DRAWING	5

1. RFID Antenna Specification

Winmate Part Number: 90BB13DOD000

1.1. Electrical Characteristics

Frequency (MHz): 13.56MHz

Impedance: 50ohm

Polarization: Linear

2.2. Mechanical Characteristics

Cable: 50Ωφ1.13 RF cable

Connector: MHF

PCB: FR4 /Thickness 1.6mm

2.3. Environmental Characteristics

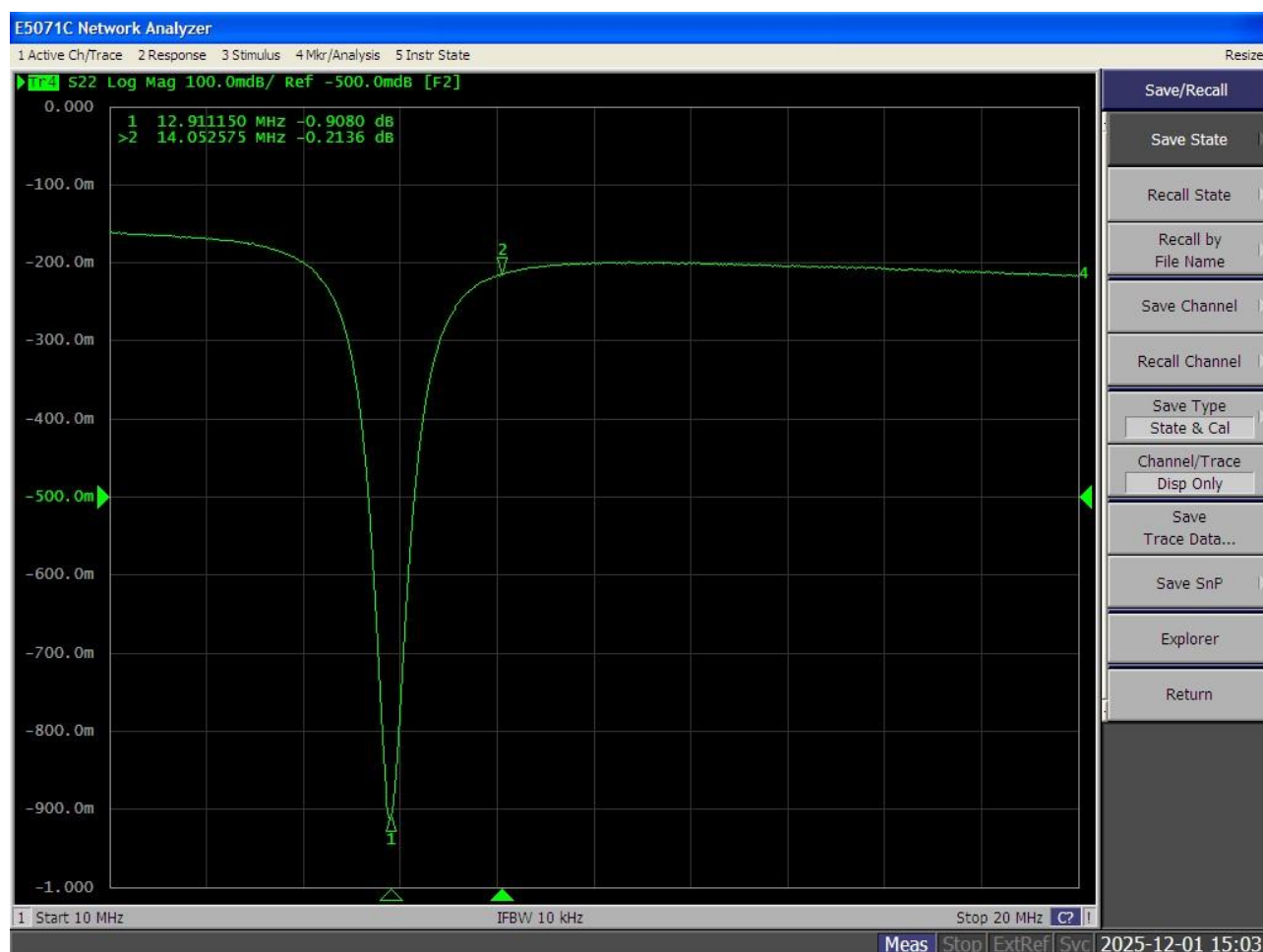
Operating Temperature: -30℃ to 80℃

Manufacturer: Winmate Inc.

Address: No. 18, Zhongxing S. St., Sanchong Dist., New Taipei City 241017, Taiwan

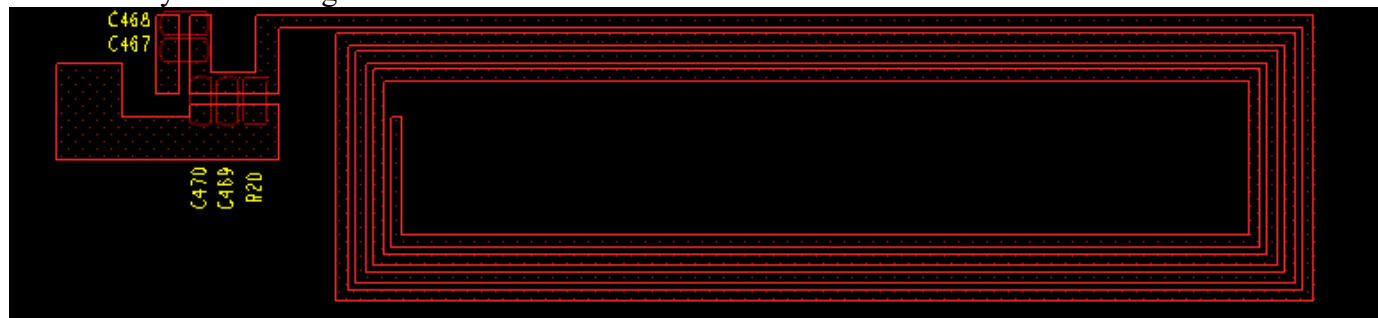
2.4. RF Performance Characteristics

2.4.1. Return Loss



2.5. Drawing

Antenna Layout Drawing



RF cable Drawing

