

## Application Features:

1. Dual Band 2.4GHz/5GHz flex PCB antenna
2. Standalone Monopole Antenna without Ground Plane requirement
3. Adhesive Mount
4. Light Weighted Design
5. Omni-directional Radiation Pattern
6. High Efficiency



## Electrical Specification

Frequency:	2.4 – 2.483 Ghz/4.8Ghz – 5.9Ghz
Nominal Impedance:	50 Ohms
Gain(typical):	1.0dBi @ 2.4GHz, 1.5dBi@5GHz
WSWR:	< 1.5:1
Max Power:	40dBm
Polarization:	Horizontal
Directivity:	Omni-directional

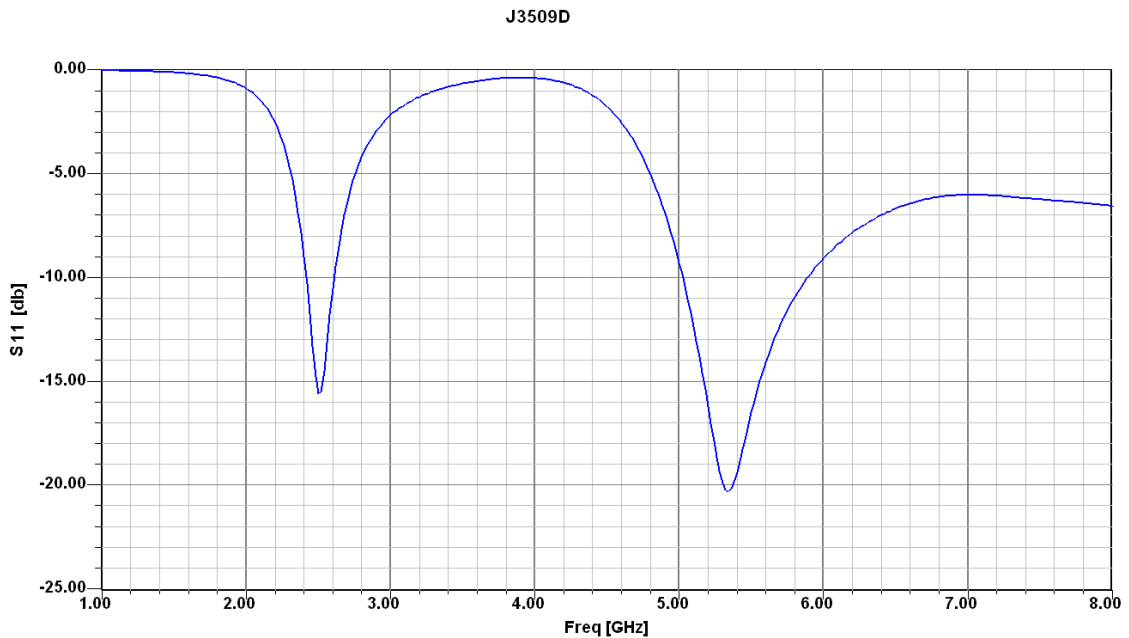
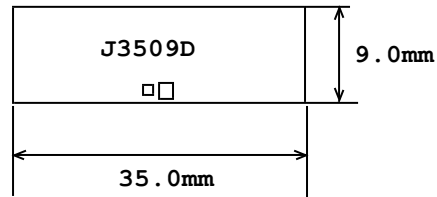


Figure 1: Return loss vs. Frequency

**Mechanical Dimensions**

Note: Material: Flex PCB, 35mm x 9mm  
Thickness: 0.2mm  
Net Weight: 1g  
Cable Length: 1mm – 20mm  
Connector: U.FL

**Ordering information**

J3509D-XX  
XX – cable length in mm  
For example: J2509D-10, the cable length is 10mm