

## W-FLEX ANTENNA

### W-Flex Micro Flexi PCB Antenna

The W-Flex small flexi PCB antenna covers the 2.4 and 5 GHz wireless bands and is groundplane independent. Due to its small dimension it can be easily integrated into wireless devices where the W-Flex antenna can be mounted onto the inside of a curved plastic enclosure. Ideal for access points, kiosks and wireless terminals, the W-Flex antenna offers robust RF performance in a very compact form factor.



#### Applications

- ▶ Wireless Kiosks
- ▶ Access Points
- ▶ Security Systems
- ▶ Wireless Terminals
- ▶ Portable Devices

#### Key Features

- ▶ Internal Flexi PCB Antenna
- ▶ Covering 2.4/5 GHz Bands
- ▶ Groundplane Independent
- ▶ Various Cable/Connector Options
- ▶ Mount onto non-Metal Surface

### ELECTRICAL SPECIFICATIONS

Frequency Range	Peak Gain	VSWR	Input Power	Impedance	Polarization
2.4-2.5 / 4.9-5.9 GHz	2.0 / 4.0 dBi	<1.6:1	1w	50 Ohm	Linear

### MECHANICAL SPECIFICATIONS

Dimensions	Cable Type	Connector	PCB Material	IP-Rating	Mounting
57 x 8mm (l x w)	RG178, RG174, RG316 or Microcoax	SMA-Male (RP-SMA, MMCX and U.FL optional)	Flexi PCB	None	Adhesive Mount

### POPULAR ORDERING OPTIONS

FWFX35350-UF-10	W-Flex Antenna with 100mm microcoax and U.FL connector
FWFX35350-RS-10	W-Flex Antenna with 100mm RG178 and RP-SMA connector
FWFX35350-MCF4-10	W-Flex Antenna with 100mm Microcoax and MCF connector