

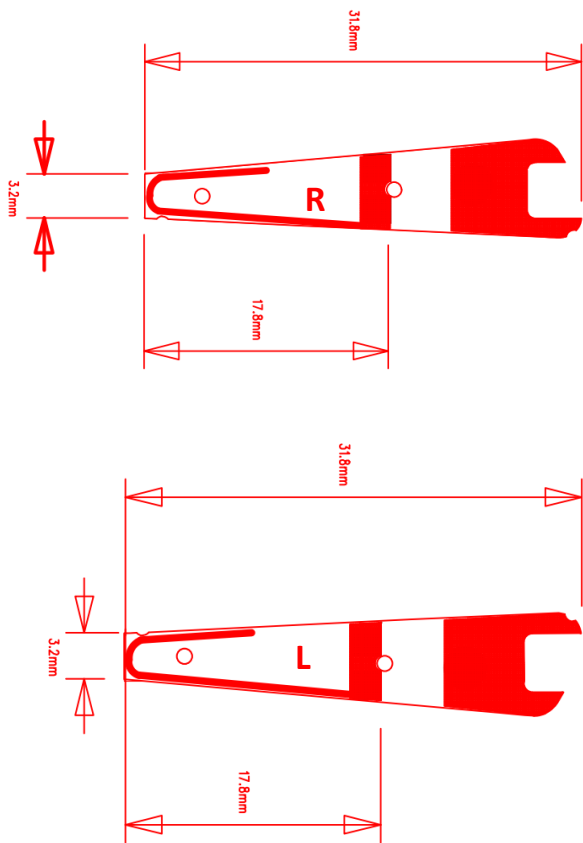
2.4GHz FPC PIFA    Antenna: FPANT246000A1L SPEC

Application: WLAN, 802.11b/g, Bluetooth, etc...

Electrical Specification

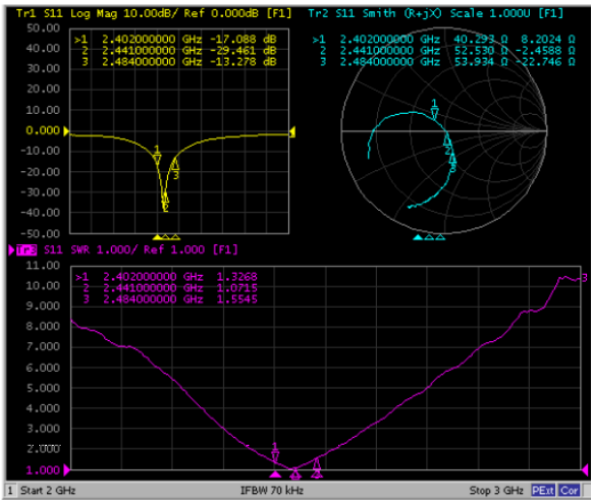
|                           |                  |
|---------------------------|------------------|
| Working Frequency Range   | 2400 ~2484 MHz   |
| Peak Gain                 | 0dBi (Typ.)      |
| Impedance                 | 50+-5 Ohm        |
| VSWR                      | 1.07+-0.05(Max)  |
| Polarization              | Linear           |
| Azimuth Beamwidth         | Omni-directional |
| Operation Temperature(°C) | -40~85°C         |

Dimension and Terminal Configuration



| Dimension (mm) |                |
|----------------|----------------|
| L              | 17.8 mm+-0.1mm |
| W              | 3.2mm+-0.1mm   |

Electrical Characteristics



| Item              | Value      |           |           |
|-------------------|------------|-----------|-----------|
|                   | 2402 (MHz) | 2441(MHz) | 2480(MHz) |
| Smith( $\Omega$ ) | 40.29      | 52.53     | 53.93     |
| Return loss(dB)   | -17.08     | -29.46    | -13.27    |
| VSWR              | 1.32       | 1.07      | 1.55      |

| Frequency (MHz) | Efficiency (%) | Mean gain (dbi) | Peak Gain (dBi) |
|-----------------|----------------|-----------------|-----------------|
| 2400            | 25.98          | -4.44           | -0.51           |
| 2410            | 25.93          | -4.45           | -0.53           |
| 2420            | 25.69          | -4.47           | -0.5            |
| 2430            | 27.06          | -4.31           | -0.35           |
| 2440            | 30.17          | -3.96           | 0.49            |
| 2450            | 32.41          | -4.16           | -0.02           |
| 2460            | 28.62          | -4.13           | 0.03            |
| 2470            | 28.86          | -4.11           | 0.17            |
| 2480            | 27.74          | -4.23           | 0.75            |



