










-  Credit Card Thin
-  Mesh Network
-  Omni Directional
-  ROHS Compliant
-  UFL Connector
-  Ultra Compact
-  Bluetooth
-  Wifi
-  Zigbee



TCD-24-UF

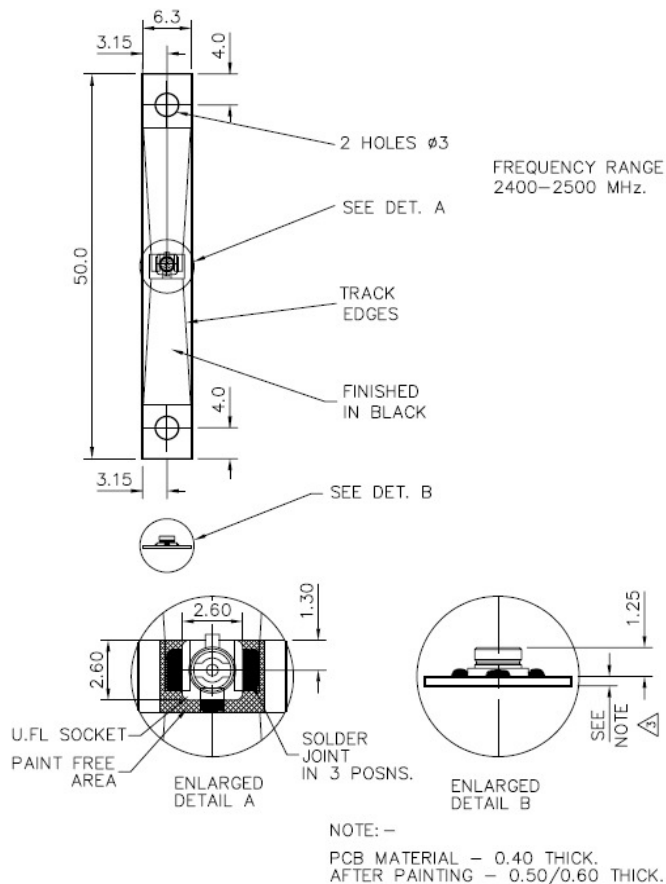
- 2.4Ghz Wifi antenna
- Simple & quick installation
- Suitable for plastic enclosures

The deceptively small TCD-24-UF is an ideal antenna for Bluetooth, Zigbee and WLAN devices.

The compact TCD-24-UF removes the need for expensive external antennas by providing impressive performance at 2.4GHz. It has a component style PCB design, suitable for use within plastic device enclosures.

It should be noted that the tuning of this antenna may be affected by both the enclosure material and surrounding components. Please contact Panorama for further details.

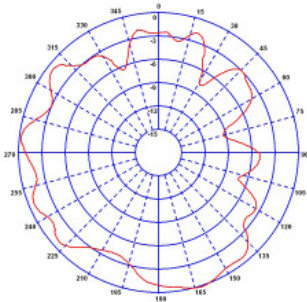
Technical Drawing



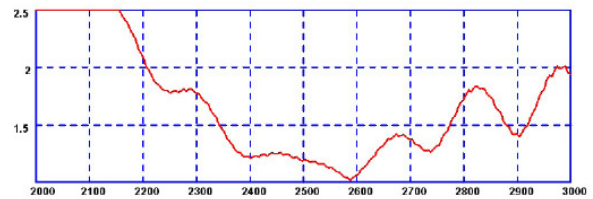
M2M & ISM Band

2.4GHz WLAN PCB Antenna

Typical H-Plane (2400MHz)



Typical VSWR*



* The VSWR of this antenna will vary depending on the mounting material and cable length

| Part No. | | TCD-24-UF |
|----------------------------|-----------|------------------|
| Electrical Data | | |
| Frequency Range (MHz) | | 2400-2500 |
| Operational Band | | 2.4GHz WLAN |
| Peak Gain: Isotropic | | 2dBi |
| Compared to ¼ wave | | 0dB |
| Pattern | | Omni-directional |
| Impedance | | 50Ω |
| Max Input Power (W) | | 10 |
| Mechanical Data | | |
| Dimensions (mm) | Length | 50 (1.97") |
| | Width | 6.3 (0.25) |
| | Thickness | 0.6 (0.024) |
| Operating Temp (°C) | | -40° / +80°C |
| Colour | | Black |
| Mounting Data | | |
| Fixing Holes Diameter (mm) | | ∅ 3 (0.12") |
| Connector | | |
| Type | | U.FL socket |
| Height (mm) | | 1.25 (0.05") |

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PANORAMA ANTENNAS

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