















# Product Data Sheet

TCT-C3G-24-24-UF

# M2M & ISM Band

## GSM, 3G UMTS & 2.4GHz WLAN PCB Antenna

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



### TCT-C3G-24-24

- Smart metering antenna
- Simple & quick installation
- Suitable for plastic enclosures

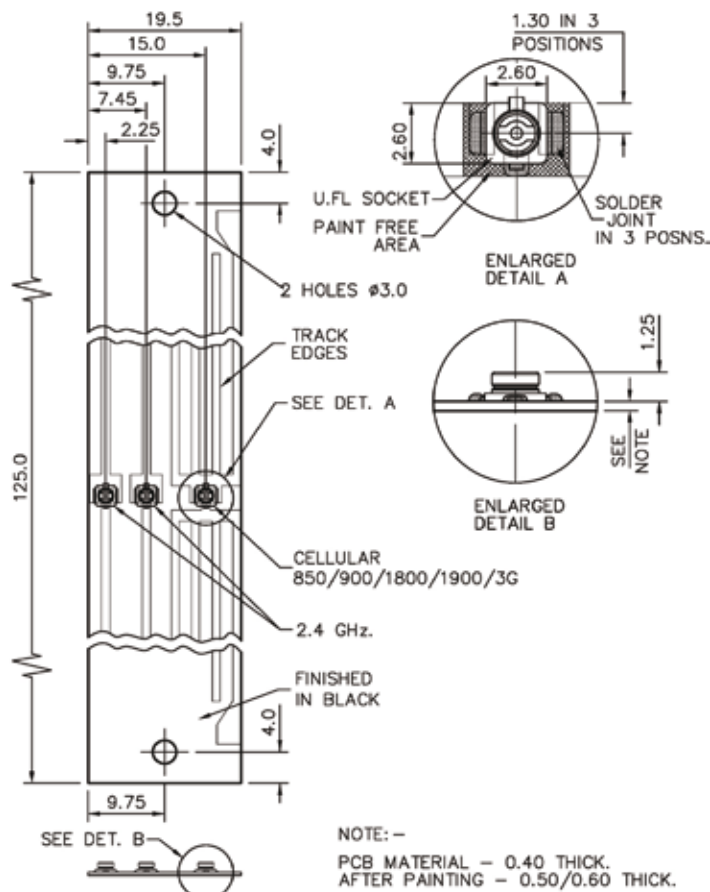
The TCT-C3G-24-24 represents an effective and cost effective solution to the problem of combining multiple transmission methods in a single device.

Typical use for this antenna is where GSM & 3G UMTS, 2.4GHz WLAN and Bluetooth functions are needed.

When space, cost and lack of ground plane are an issue the TCT-C3G-24-24 comes into its own and substituting inconvenient soldered flying leads for board mounted UFL connectors makes it extremely adaptable.

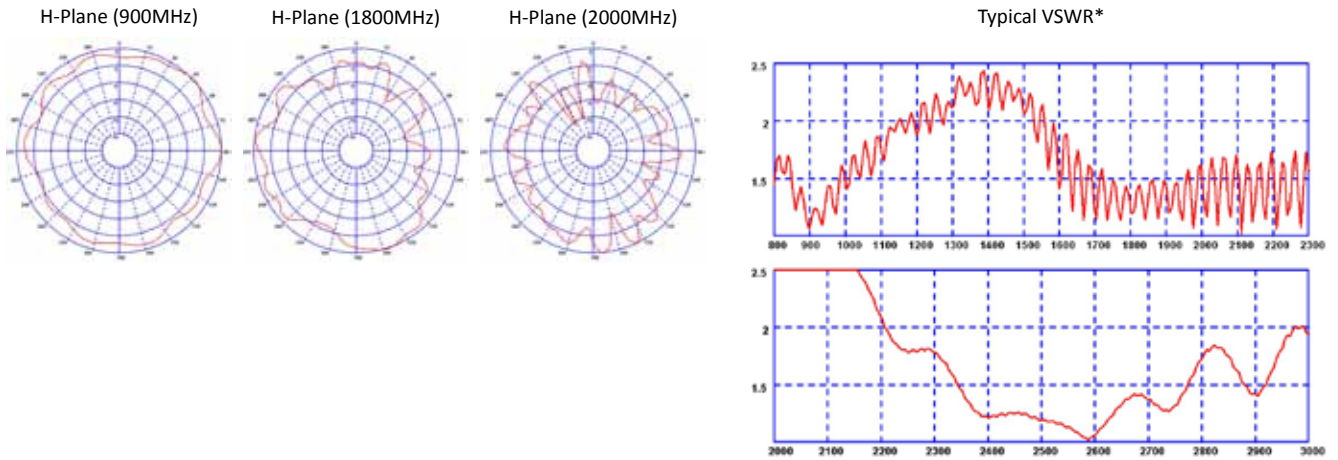
The TCT-C3G-24-24 will support and improve quad band GPRS, 3G, WLAN, Bluetooth and Zigbee communication efficiency.

#### Technical Drawing



# M2M & ISM Band

## GSM, 3G UMTS & 2.4GHz WLAN PCB Antenna



\* The VSWR of this antenna will vary depending on the mounting material

Part No.		TCT-C3G-24-24-UF
Electrical Data		
Frequency Range (MHz)	805-894, 890-960, 1710-1880, 1900-2170, 2400-2500	
Operational Band	GSM850 / CDMA850, GSM900, GSM1800, PCS1900, 3G UMTS, 2.4GHz WLAN	
Gain: Isotropic	2dBi	
Compared to ¼ wave	0dB	
Pattern	Omni-directional	
Impedance	50Ω	
Max Input Power (W)	10	
Mechanical Data		
Dimensions (mm)	Length	125
	Width	19.5
	Thickness	0.6
Operating Temp (°C)	-40° / +80°C	
Colour	Black	
Mounting Data		
Fixing Holes Diameter (mm)	∅ 3	
Connector		
Type	U.FL socket	
Height (mm)	1.25	

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