



# Integrated Miniaturized Antenna for 433 MHz ISM Band Wireless RF Applications

**TCA07F** is an advanced, surface-mount(SMT) integrated antenna for use in various wireless products, ideal for high-sensitivity and low profile design.



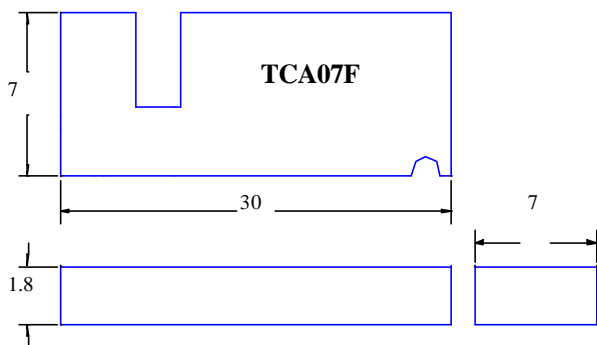
### Features:

- Miniaturized size
- Omni-direction
- Low interference design
- Wide bandwidth
- Light weight
- High gain

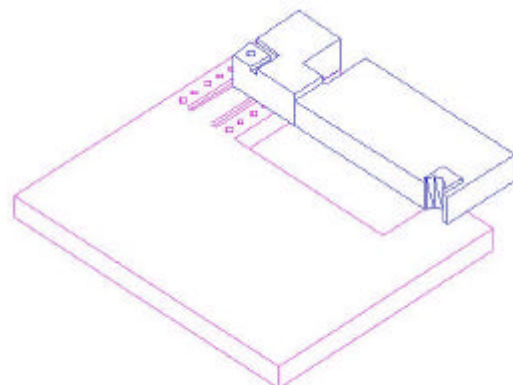
### Specification

- Part No. TCA07F
- Center Frequency 434MHz
- Band width 25MHz
- Typical Gain -2dBi
- Operating Temp. -20°C~70°C
- Storage Temp. -20°C~90°C
- Weight 0.8g

### Outline of TCA07F(unit:mm)

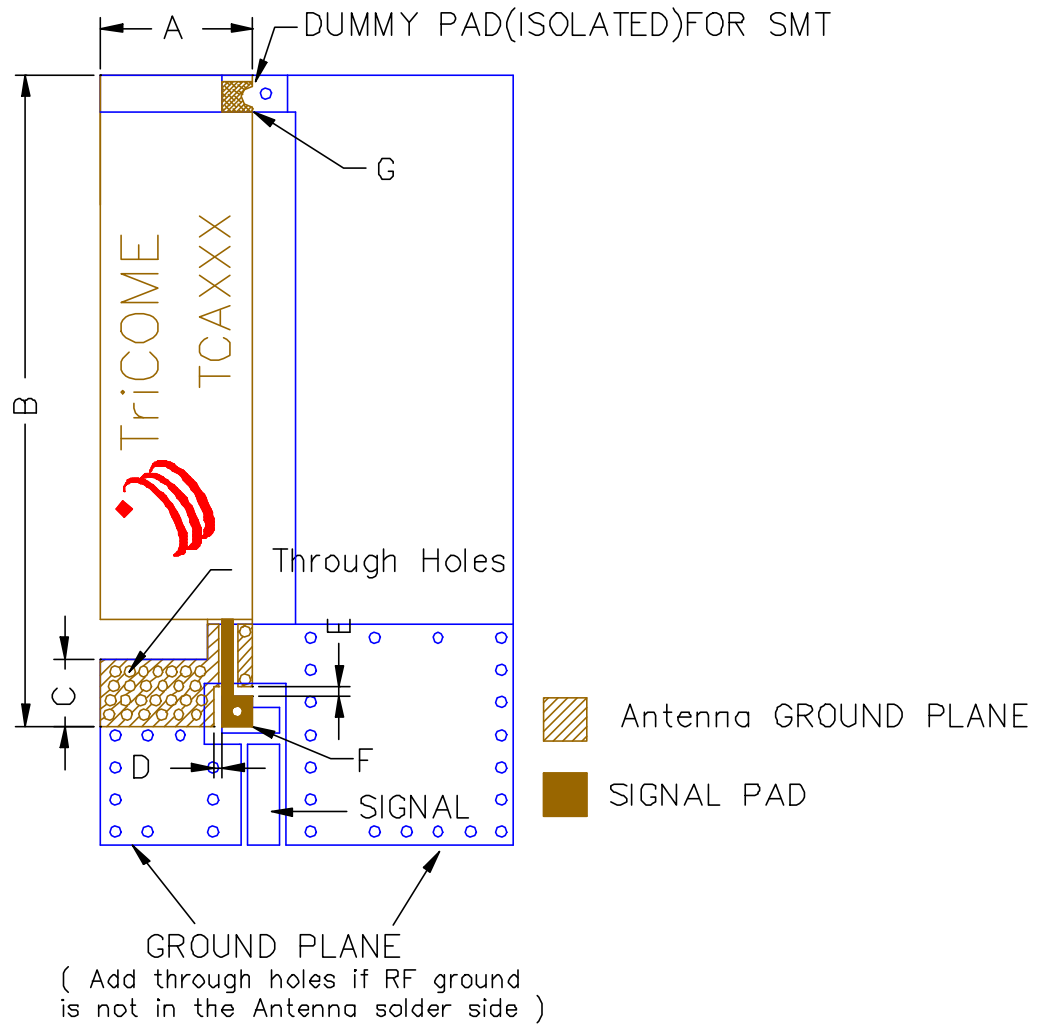


### Typical SMT Installation





### Layout Guide (unit:mm)

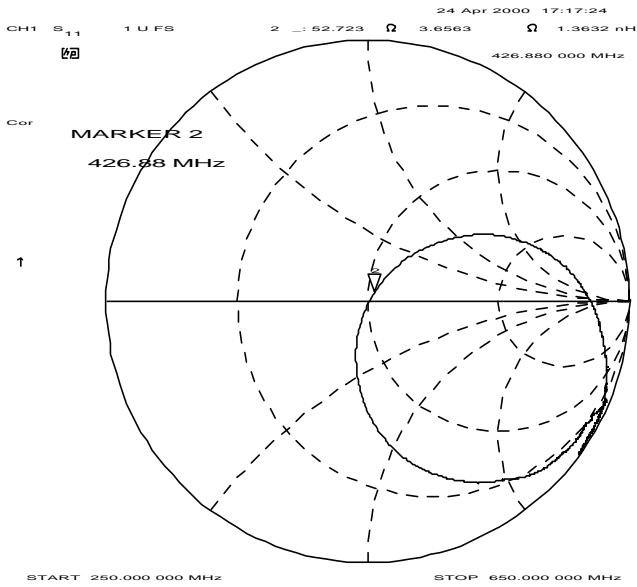


A	7mm
B	30mm
C	3.1mm
D	0.4mm
E	0.4mm
F	1.4x1.4mm
G	1.4x1.4mm

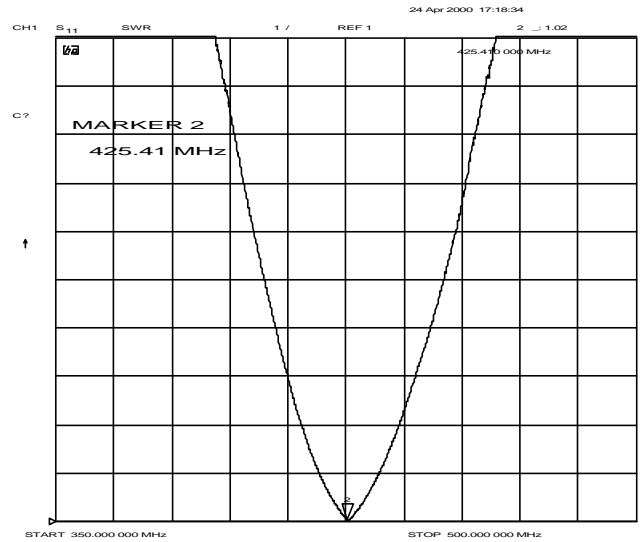


# Input Characteristics

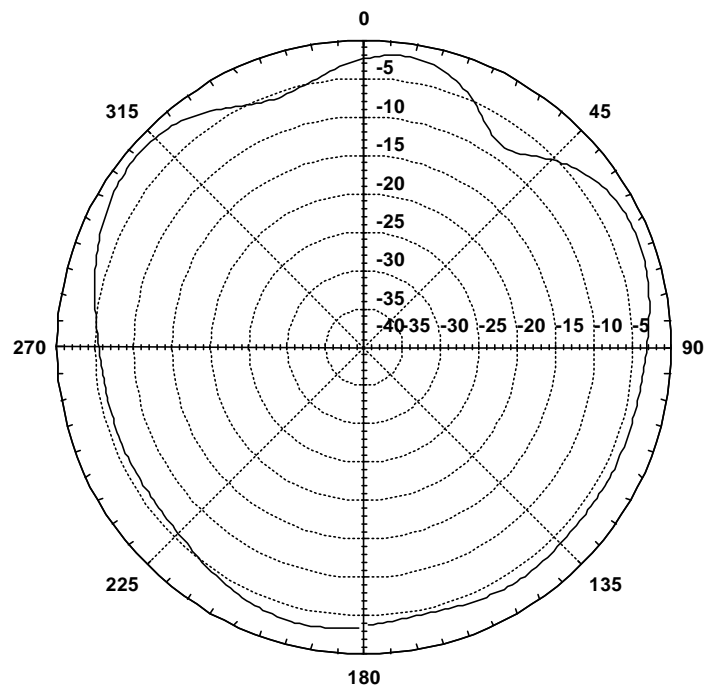
### Smith Chart



### VSWR



# Typical H-Plane Antenna Pattern



This specification , prepared by TriCOME , is believed to be accurate and reliable . But TriCOME reserves the right to make any change or improvement without further notice.