



Integrated Miniaturized Antenna for 902~928 MHz ISM Band Wireless RF Applications

TCA04B is an advanced, surface-mount(SMT) integrated antenna for use in various wireless products, ideal for high-sensitivity and low profile design.



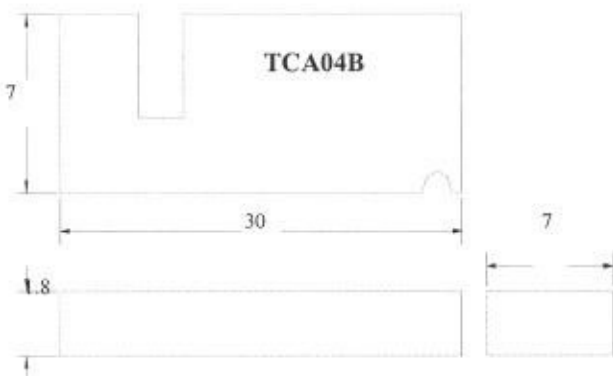
Features:

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

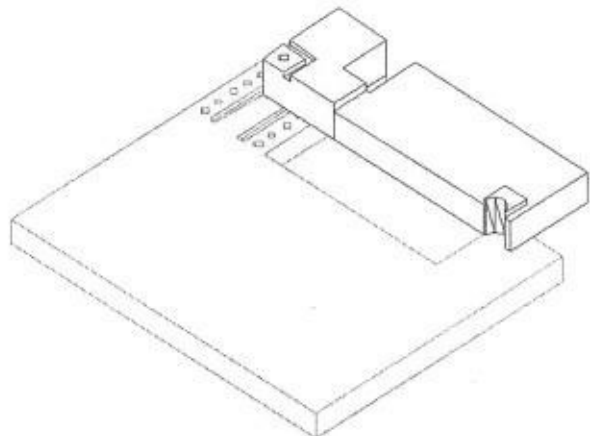
Specification

• Part No.	TCA04B
• Center Frequency	915MHz
• Band width	70MHz
• Typical Gain	1.0dBi
• Operating Temp.	-20°C~+85°C
• Storage Temp.	-40°C~+85°C
• Weight	0.8g

Outline of TCA04B(unit:mm)

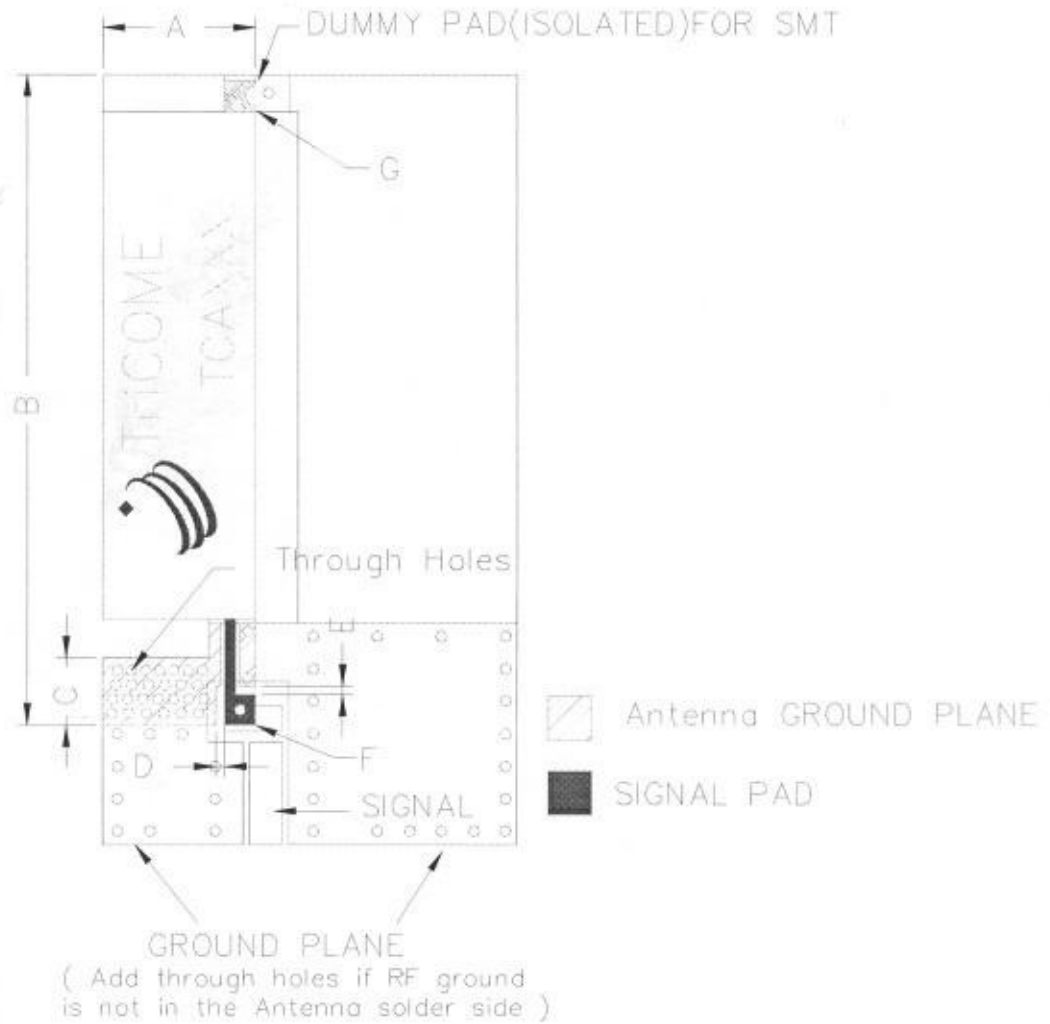


Typical SMT Installation





Layout Guide (unit:mm)

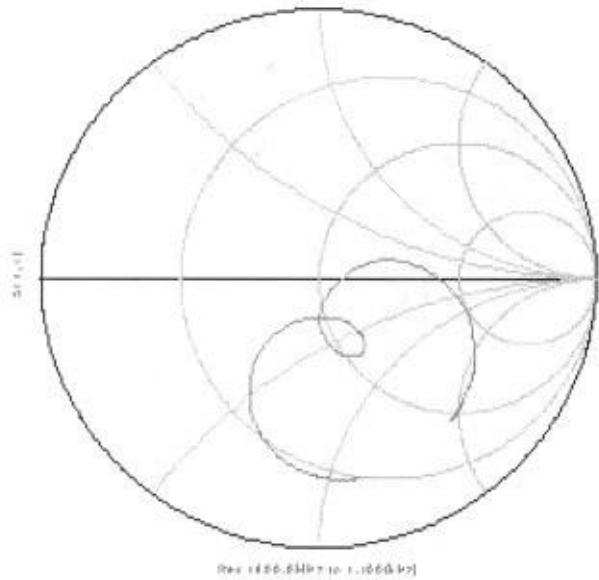


A	7mm
B	30mm
C	3.1mm
D	0.4mm
E	0.4mm
F	1.4x1.4mm
G	1.4x1.4mm

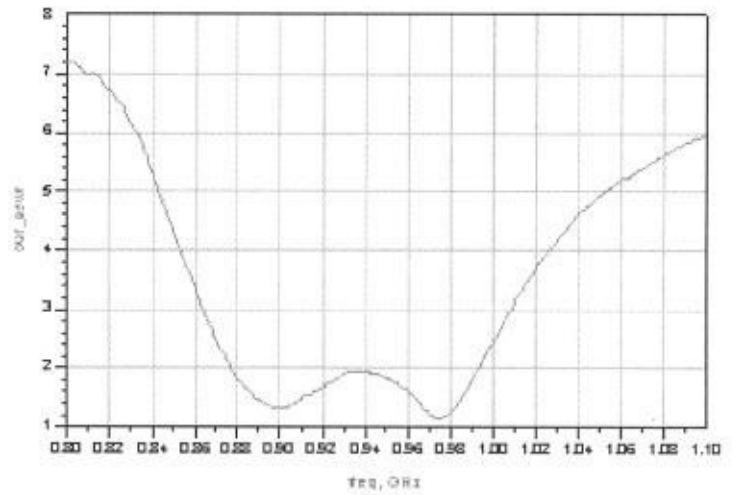


Input Characteristics

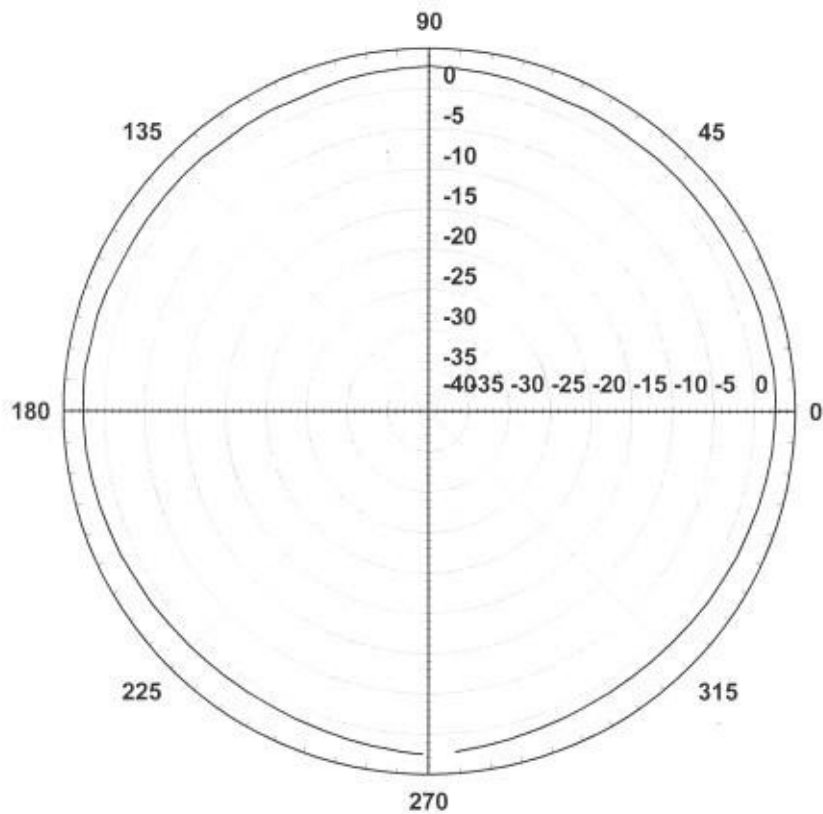
Smith Chart



VSWR



H-Plane Antenna Pattern at 915MHz



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.