

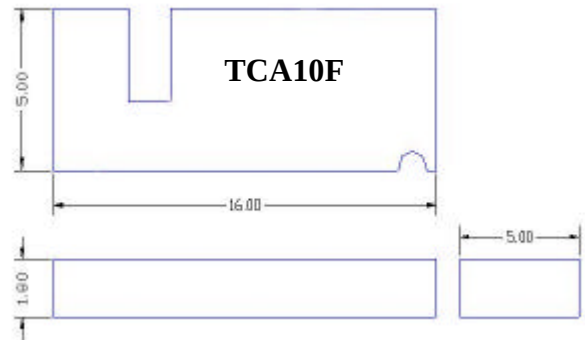
Product Information

Preliminary
Ver 5.3 9/13/2000

Integrated Miniaturized Antenna for 2.4 GHz Wireless RF Applications

TCA10F is an advanced, surface-mount(SMT) integrated antenna for use in various wireless RF mother boards, ideal for high-sensitivity, low profile design.

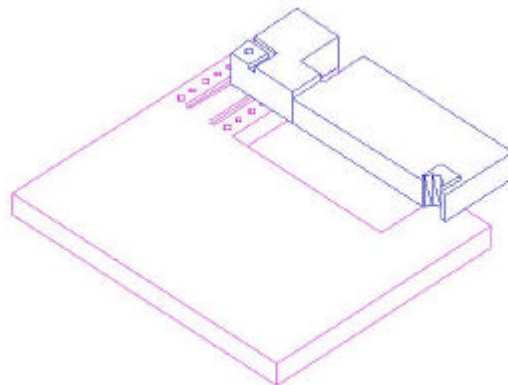
Outline of TCA10F (unit:mm)



Features:

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

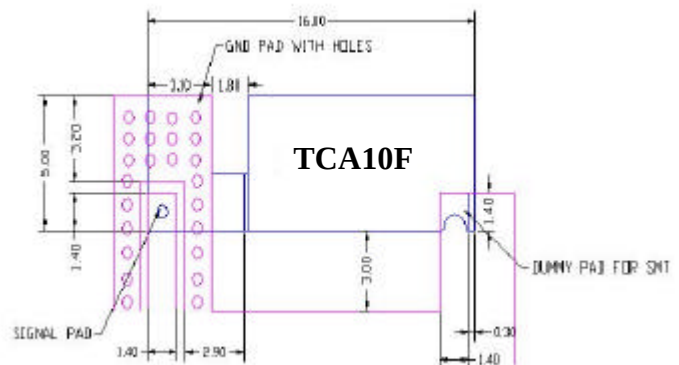
Typical SMT Installation



Specification

•Part No.	TCA10F
•Center Frequency	2450MHz
•Band width	300MHz
•Peak Gain	3dBi
•Typical Gain	2dBi
•Operating Temp.	-20°C~70°C
•Storage Temp.	-20°C~90°C
•Weight	0.6g

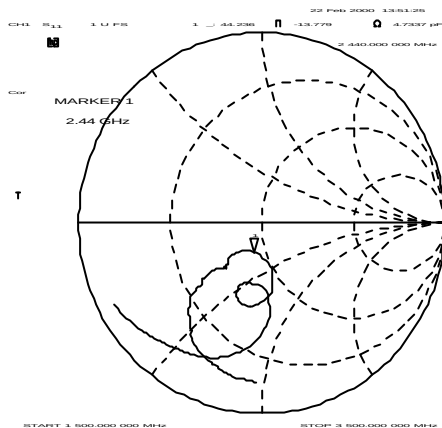
Layout Guide (unit:mm)



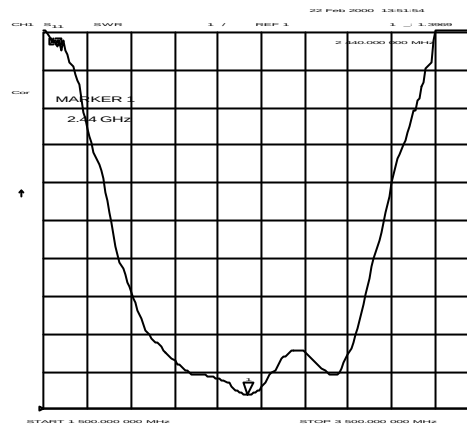
Typical Input Characteristics

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Smith Chart



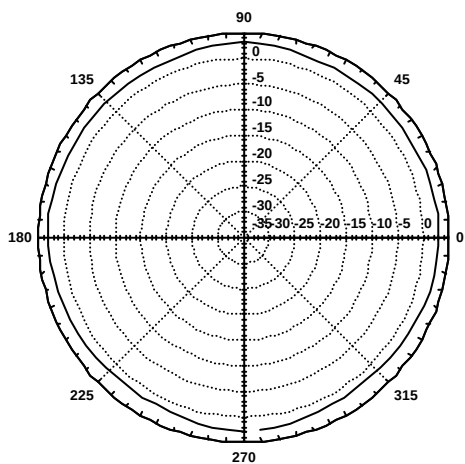
VSWR



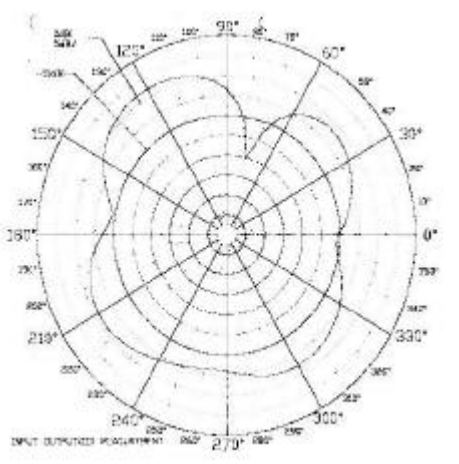
Measured Antenna Patterns at 2.4GHz

(under test condition 1)

H-Plane



E-Plane



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.



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