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Integrated Miniaturized Antenna for 5.1 GHz Wireless RF Applications

TCA16A is an advanced, integrated antenna for use in various 5.1GHz wireless products, ideal for high-sensitivity, low profile design.

♦ Features

- Miniaturized size
- High gain
- Wide bandwidth
- Light weight
- Low cost
- Omni-directional in azimuth

♦ Applications

- Embedded ANT for NB WLAN
- 802.11a WLAN card
- 802.11a WLAN AP

♦ Installation Method

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♦ Specifications

•Frequency range	5.15 ~ 5.35 GHz
•Peak gain	2.6dBi
•Typical gain	2dBi
•Operating Temp.	-20°C ~ +85°C
•Storage Temp.	-40°C ~ +85°C
•Weight	1g
•VSWR	<1.5
•Impedance	50 Ohm
•Power handling	2 watt cw

♦ Dimension

♦ Input Characteristics

| S11 |

VSWR

♦ Measured Antenna Patterns

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E-Plane
Frequency: 5.35 GHz

H-Plane
Frequency: 5.15 GHz

♦ Measured Antenna Patterns

H-Plane
Frequency: 5.25 GHz

H-Plane
Frequency: 5.35 GHz

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.