

DAC2450CT1T

2.45 GHZ DIELECTRIC ANTENNA

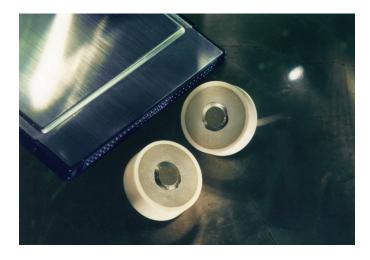
Description

The TOKO DAC2450CT1T is a compact, vertically polarized, dielectric antenna specifically designed for 2.450 GHz applications including IEEE 802.11b/g wireless networking. The antenna unit consists of a dielectric element with a 50 Ω center terminal permitting direct connection to a 50 Ω printed circuit board pattern without a matching circuit.

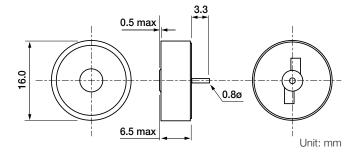


Features

- Miniature footprint: 16mm diameter
- Low profile: 6.5mm max.
- Center Frequency: 2450 MHz
- Bandwidth: ±50 MHz
- Peak Gain: Less than +2.14 dBi (0 dBi typ.)
- Impedance: 50 Ω
- Weight: 4.3 grams
- Operating temperature: -10°C to +60°C
- Storage temperature: -20°C to +85°C

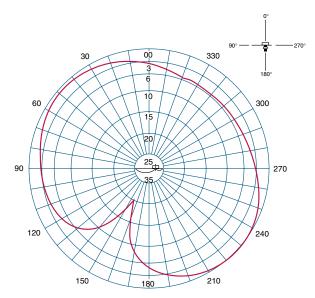


Dimensions

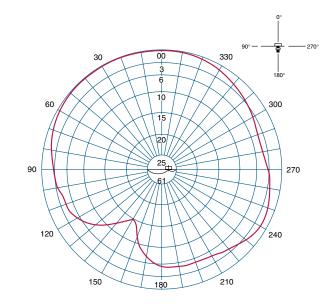


Typical Characteristics

Vertical Directivity Pattern (0°)



Vertical Directivity Pattern (90°)



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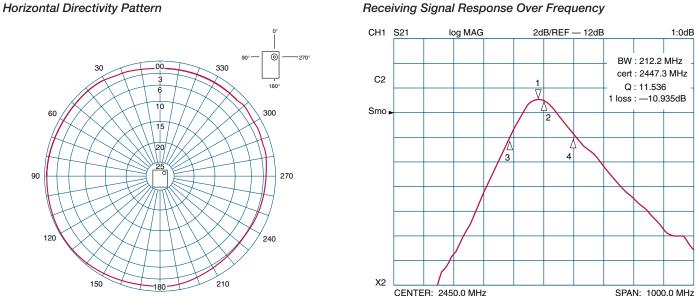
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RETOK

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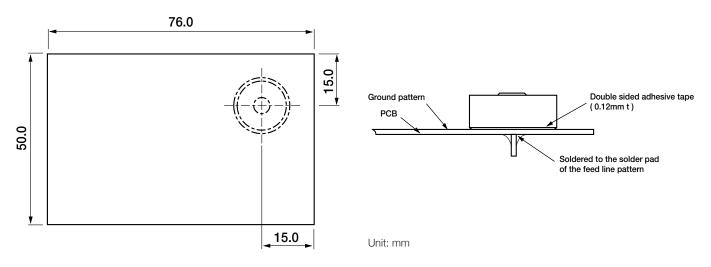
Typical Characteristics



Receiving Signal Response Over Frequency

NOTE: All characteristics measured with antenna mounted on a 76.0mm x 50.0mm ground plane of 0.2mm thickness (see Physical Assembly).

Physical Assembly



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TOKO America, Inc.

1250 Feehanville Drive, Mount Prospect, Illinois 60056 Tel: (847) 297-0070 Fax: (847) 699-7864 Web: http://www.tokoam.com

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