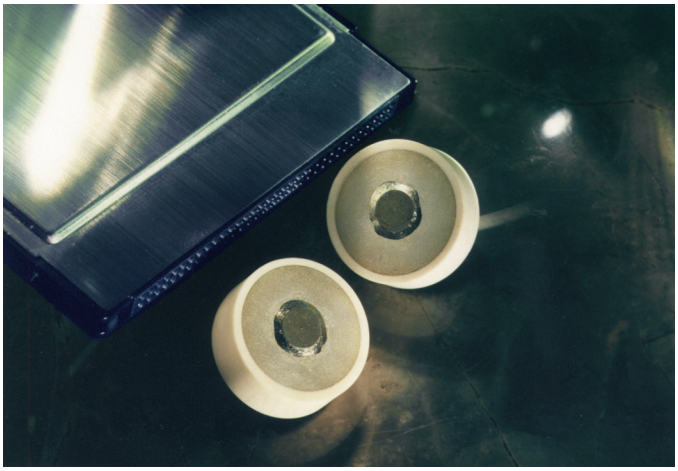
DAC2450CT1T

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 50Ω center terminal permitting direct connection to a 50Ω printed circuit board pattern without a matching circuit.

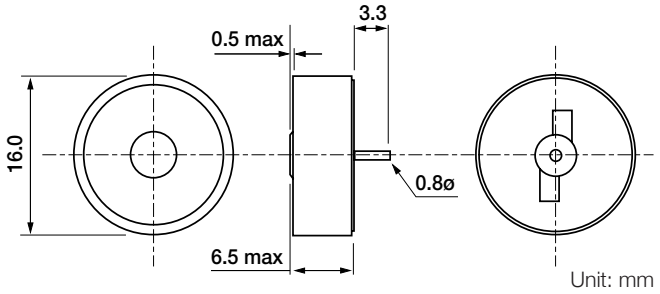




Features

- 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

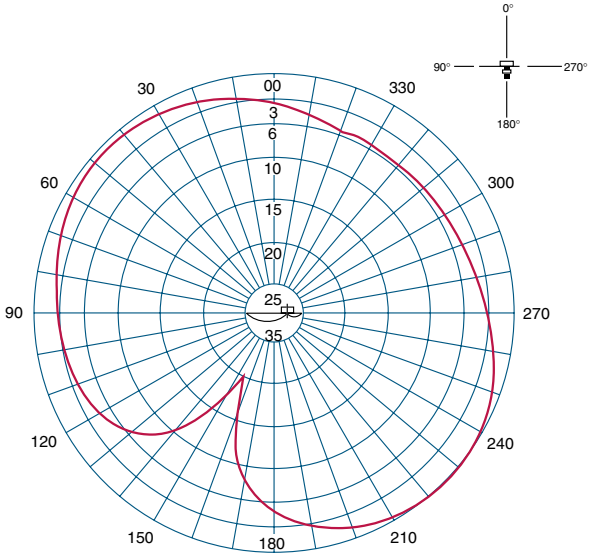
Dimensions



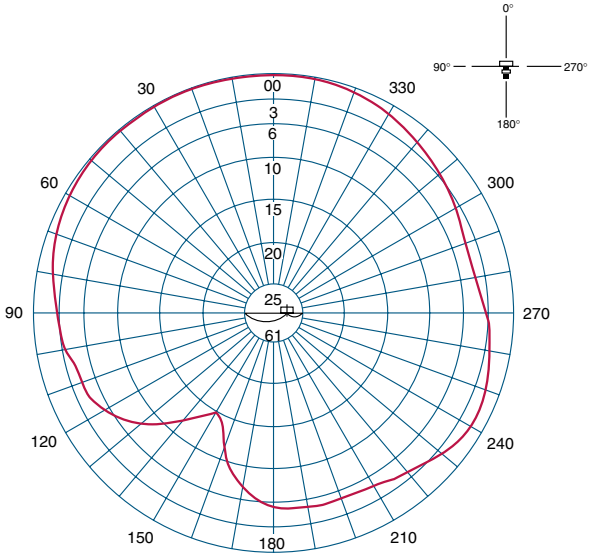
Unit: mm

Typical Characteristics

Vertical Directivity Pattern (0°)



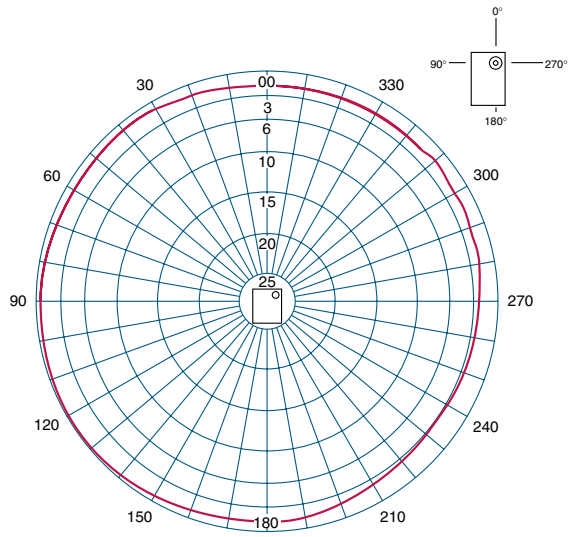
Vertical Directivity Pattern (90°)



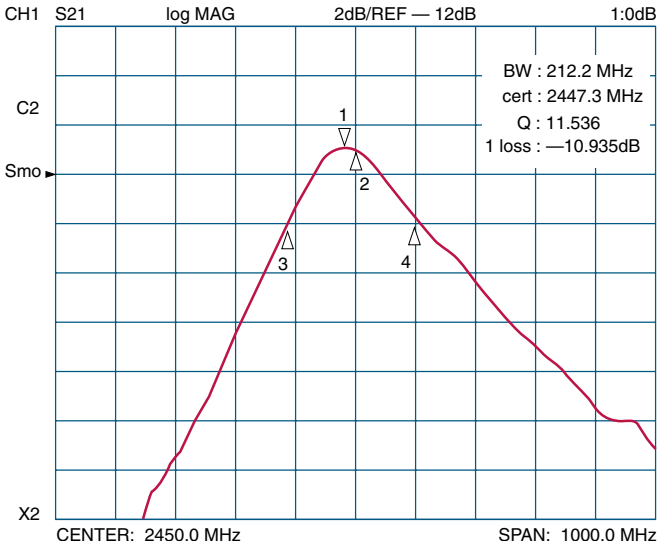
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Typical Characteristics

Horizontal Directivity Pattern

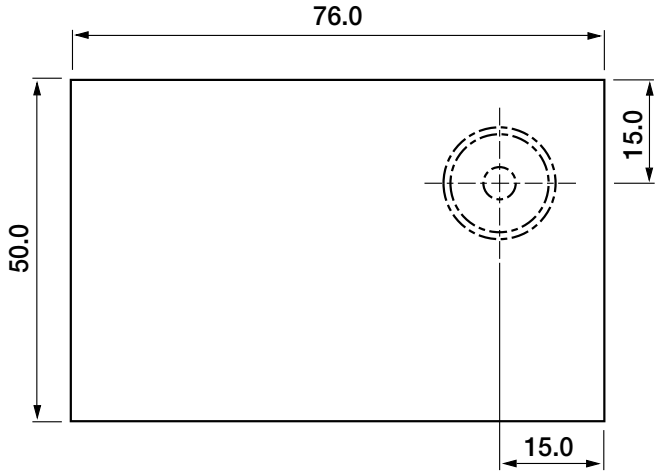


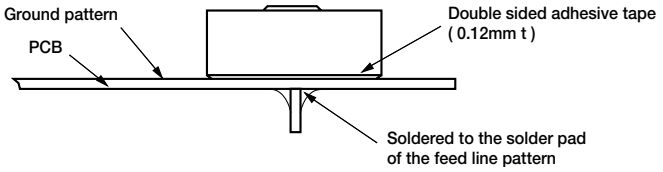
Receiving Signal Response Over Frequency



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

Physical Assembly





Unit: mm

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