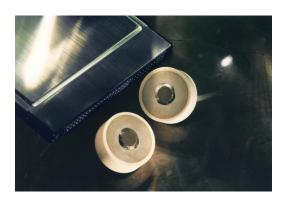


2.45 GHZ DIELECTRIC ANTENNA

DESCRIPTION

The TOKO DAC2450CT1T is a compact, vertically polarized, dielectric antenna specifically designed for 2.450 GHz applications including IEEE 802.11b 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

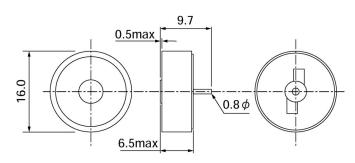
■ Bandwidth: ± 50 MHz

■ Peak Gain: Less than +2.14 dBi (0 dBi typ.)

Impedance: 50 ΩWeight: 4.3 grams

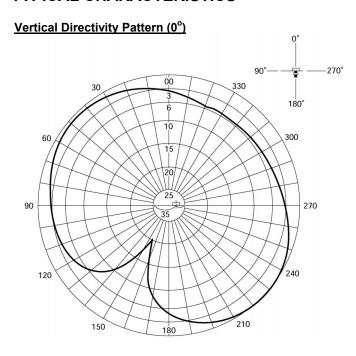
Operating temperature: - 10°C to + 60°C
 Storage temperature: - 20°C to + 85°C

DIMENSIONS

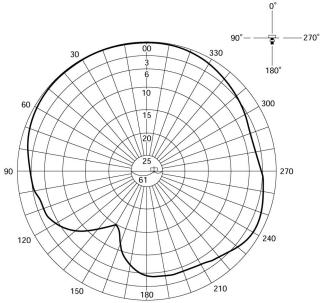


Units: mm

TYPICAL CHARACTERISTICS



<u>Vertical Directivity Pattern (90°)</u>



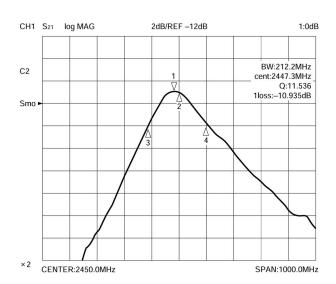


2.45 GHZ DIELECTRIC ANTENNA

TYPICAL CHARACTERISTICS

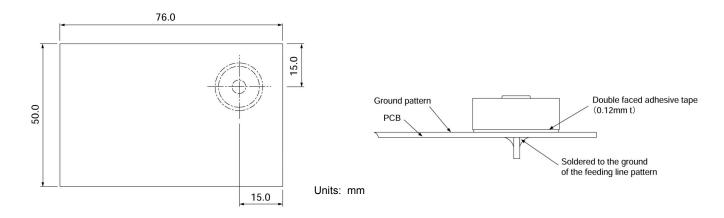
Horizontal Directivity Pattern 0° 90° 180° 270° 300 300 180° 270° 240

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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