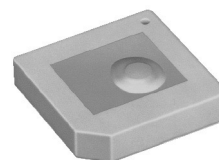


5.8 GHZ DIELECTRIC ANTENNA

Description

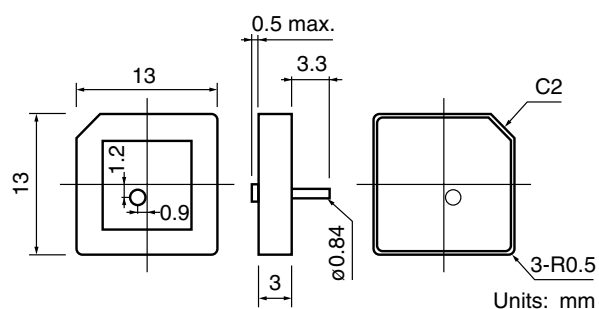
The TOKO DAT is a circularly polarized dielectric antenna element specifically designed for 5.8 GHz ISM applications including Dedicated Short-Range Communication (DSRC) systems such as Electronic Toll Collecting (ETC).



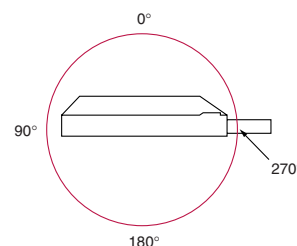
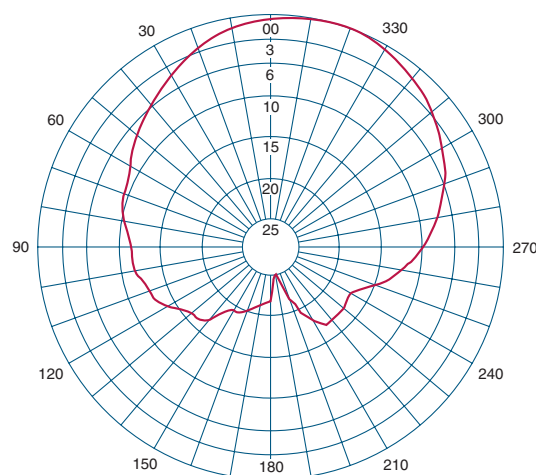
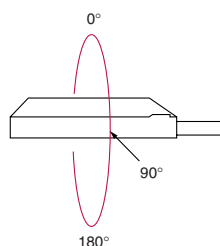
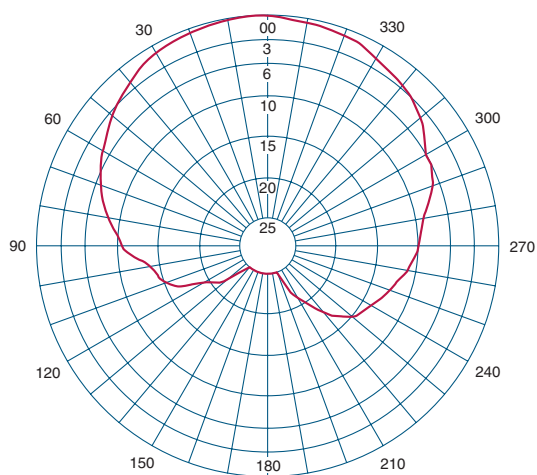
Features

- Miniature footprint: 13mm x 13mm
- Low profile: 3.5mm max.
- Center Frequency: 5820 MHz
- Bandwidth: ± 50 MHz
- Peak Gain: 5.0 dBi (typ.)
- SWR: 2.0 max.
- Impedance: 50Ω
- Operating temperature: -20°C to $+85^{\circ}\text{C}$
- Storage temperature: -30°C to $+90^{\circ}\text{C}$

Dimensions

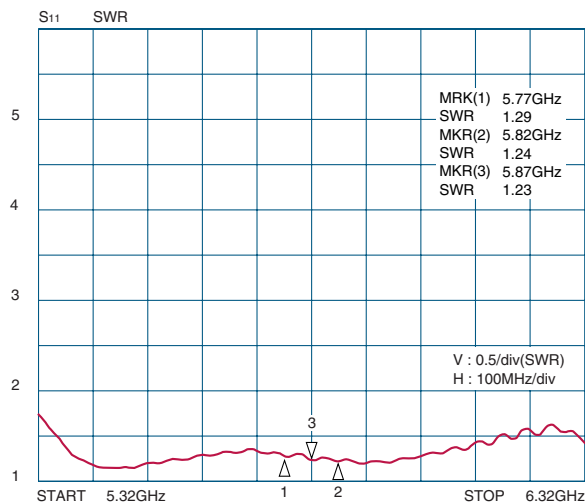


Typical Characteristics

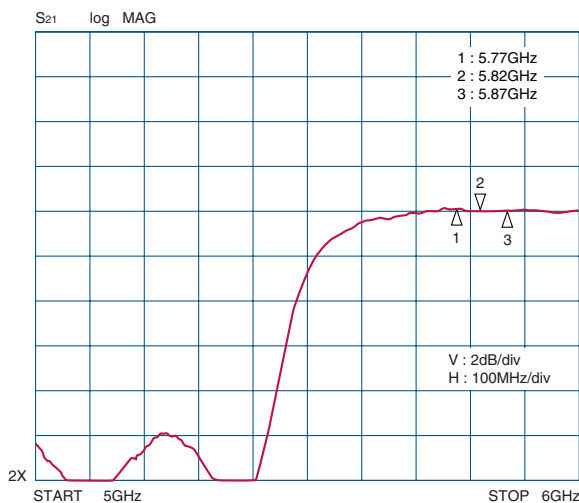


Typical Characteristics

SWR



Receiving Signal Response Over Frequency



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