

### 2.45 GHZ DIELECTRIC ANTENNA

# **Description**

The TOKO ASWR03 is a wide-directivity, right-hand circularly polarized dielectric antenna unit specifically designed for 2.450 GHz applications including IEEE 802.11b/g wireless networking. The ASWR03 antenna unit consists of a dielectric antenna element mounted with adhesive tape to a printed circuit board.



#### **Features**

• Miniature footprint: 30mm x 30mm

Low profile: 8.5mm max.Center Frequency: 2450 MHz

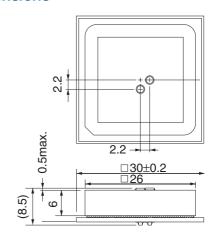
• Bandwidth: ±50 MHz

• Peak Gain (at center axis): 2.14 dBi (typ.)

SWR: 2.0 max.Impedance: 50 Ω

Operating temperature: -20°C to +85°C
Storage temperature: -30°C to +90°C

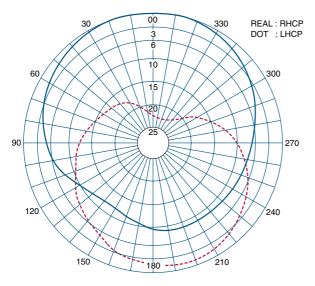
#### **Dimensions**



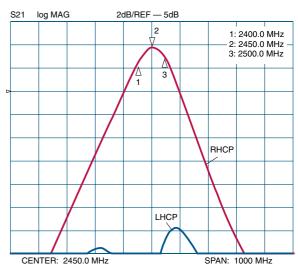
Unit: mm

### Typical Characteristics

## Directivity Plot



## Receiving Signal Response Over Frequency

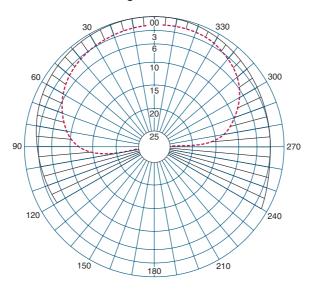




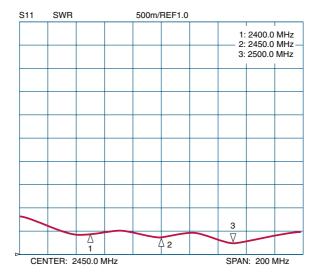
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# Typical Characteristics

#### Axial Ratio vs. Elevation Angle



#### Receiving Signal Response Over Frequency





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