

DAC Series

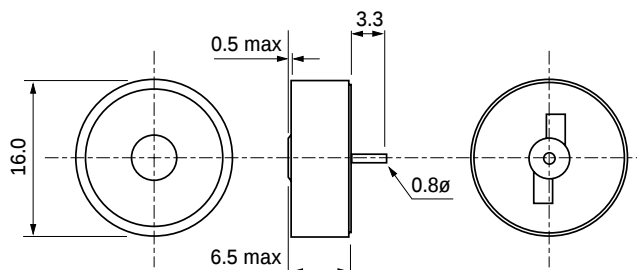


Features

- Vertical Polarization reception
- Low profile (6.5mm max)
- Omni-directional in azimuth
- Low interference design
- Central feeding point terminal
- Wide bandwidth
- Light weight

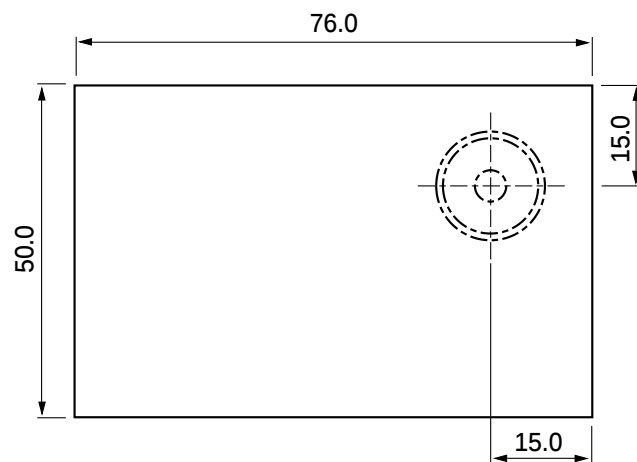
Description

The DAC Series is a miniature dielectric antenna element for 2.4 GHz wireless LAN systems. This antenna has vertical polarization characteristics. TOKO's proprietary ceramic dielectric material provides excellent stability and sensitivity. It is mountable in Type II extended PCMCIA cards.



Unit: mm

Mounted with ground Plane

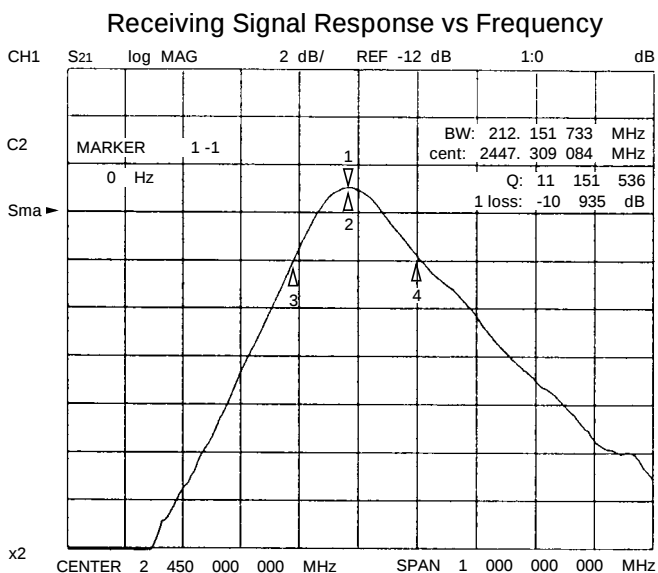


Unit: mm

SPECIFICATIONS

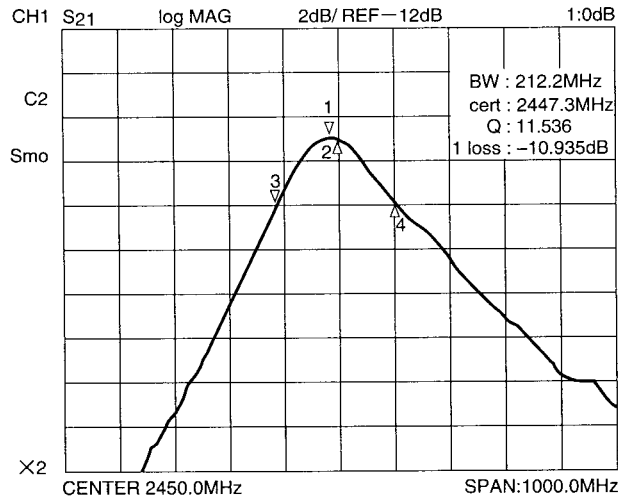
Part Number	DAC2450CT1T
Center Frequency	2450 MHz
3dB Receiving Bandwidth	± 50 MHz min.
Impedance	50 Ω
Peak Gain (Azimuth)	-4 dBi typ.
Peak Gain (Elevation)	0 dBi typ.
Operating Temperature	-10 ~ +60° C
Storage Temperature	-20 ~ +85° C
Weight	4.3g

TYPICAL CHARACTERISTICS



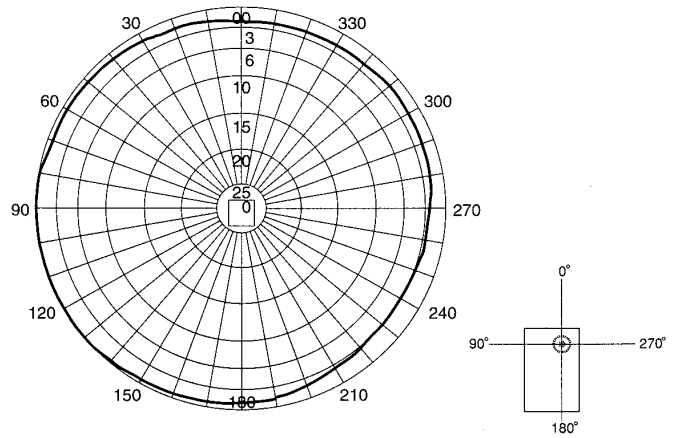
ELECTRICAL CHARACTERISTICS

Receiving Signal Response vs Frequency

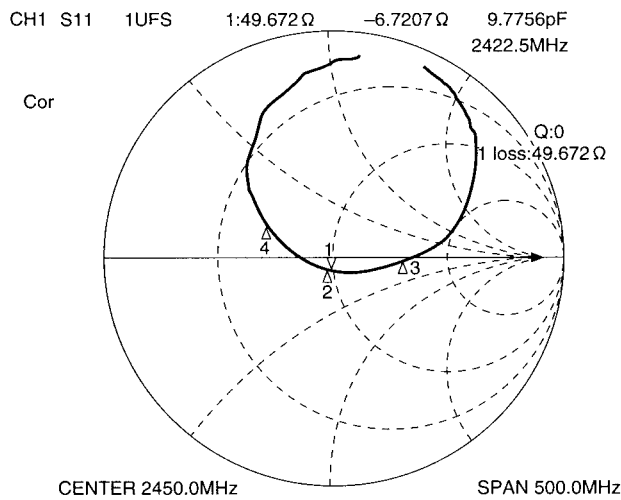


DIELECTIVITY CHARTS

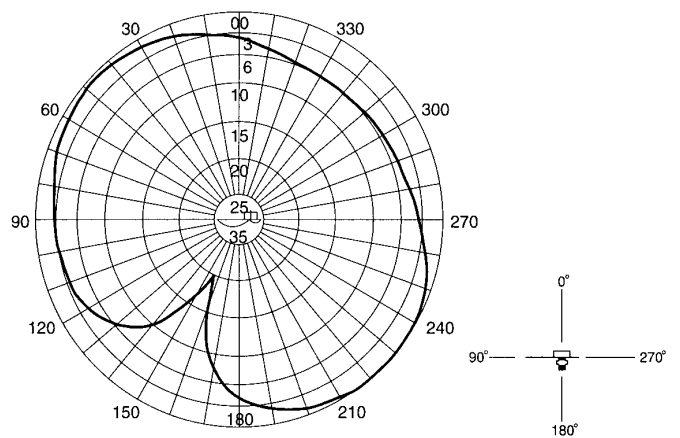
Horizontal Pattern



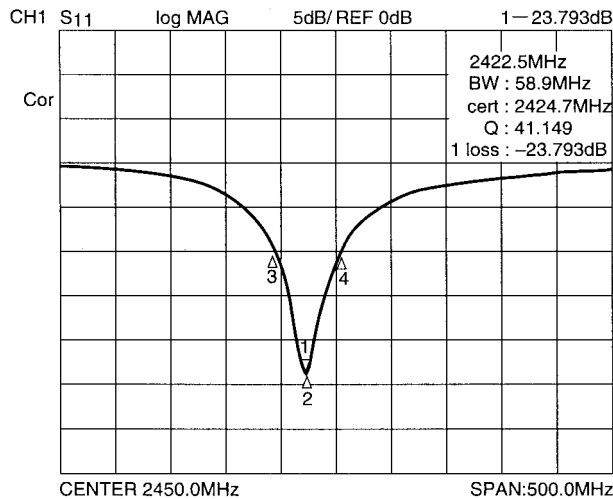
Smith Impedance



Vertical Pattern



Return Loss



Vertical Pattern

