

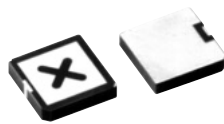
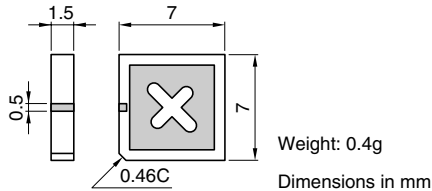
RF Components

Ceramic Patch Antennas

For Bluetooth™ and 2.4GHz Wireless LAN

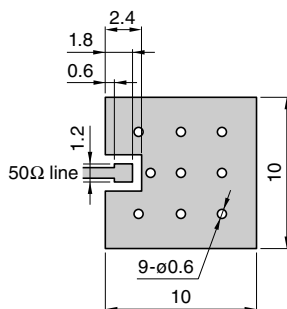
CABPB0715A(7×7×1.5mm Type)

SHAPES AND DIMENSIONS

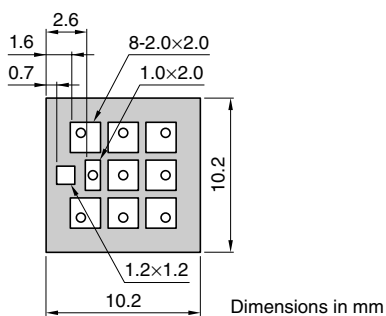


RECOMMENDED PC BOARD PATTERNS

LAND



SOLDER RESIST



TEMPERATURE AND HUMIDITY RANGES

Operating temperature range -30 to +85°C

Storage temperature range -40 to +85°C

Humidity range 0 to 90(%)RH
[Maximum wet-bulb temperature: 38°C]

ELECTRICAL CHARACTERISTICS

Center frequency 2442MHz

Band width 85MHz

Return loss -2dB max.[2400 to 2485MHz]

Antenna gain -3dBi max.[2400 to 2485MHz]

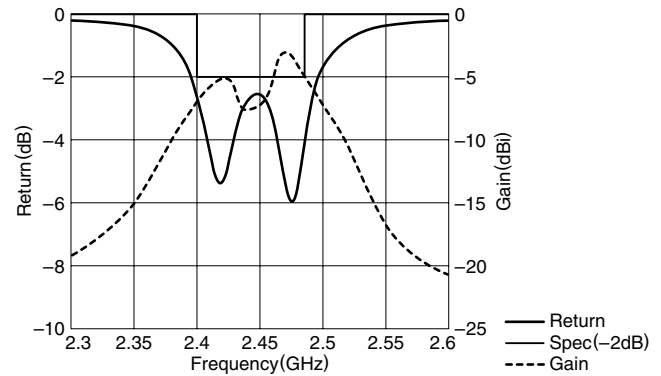
Input impedance 50Ω[2400 to 2485MHz]

VSWR 8.5 max.

• Evaluated with 30×30mm TDK STD evaluation base.

TYPICAL ELECTRICAL CHARACTERISTICS

RETURN LOSS AND GAIN



• Evaluated with 30×30mm TDK STD evaluation base.

RF Components

CABPB0715A(7×7×1.5mm Type)

Ceramic Patch Antennas

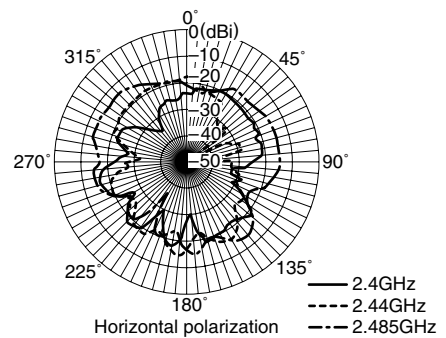
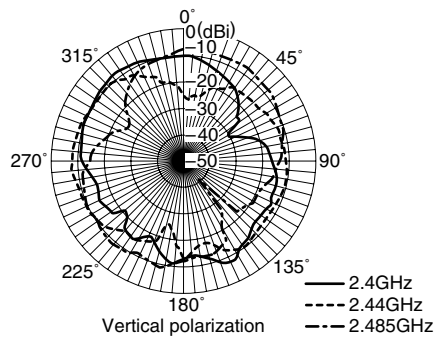
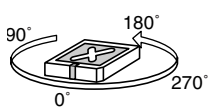
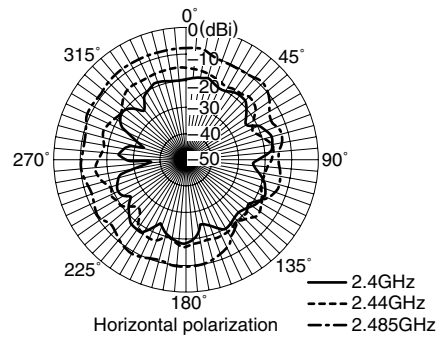
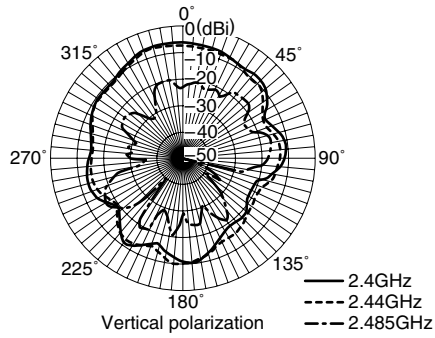
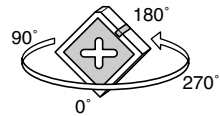
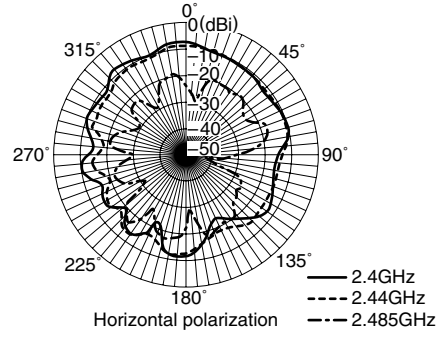
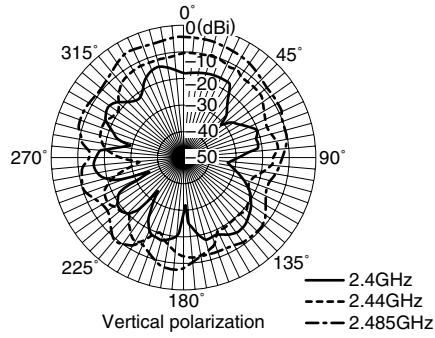
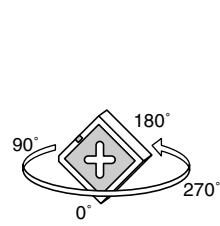
For Bluetooth™ and 2.4GHz Wireless LAN

RADIATION PATTERN

Directivity angle

Vertical polarization

Horizontal polarization



- The radiation pattern is measured by mounting the antenna on 30×30mm TDK STD evaluation base.
- Standard antenna: Standard dipole(Anritsu)
 Tx antenna: Horn(Condor Systems)