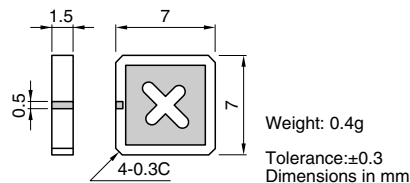


Ceramic Patch Antennas For 2.4GHz

Conformity to RoHS Directive

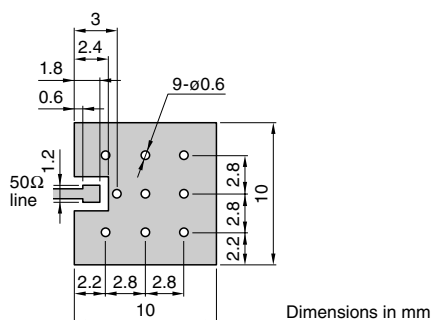
CABPB Series CABPB0715A

SHAPES AND DIMENSIONS

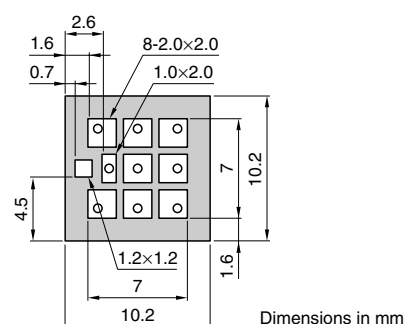


RECOMMENDED PC BOARD PATTERNS

ELECTRODE



SOLDER RESIST



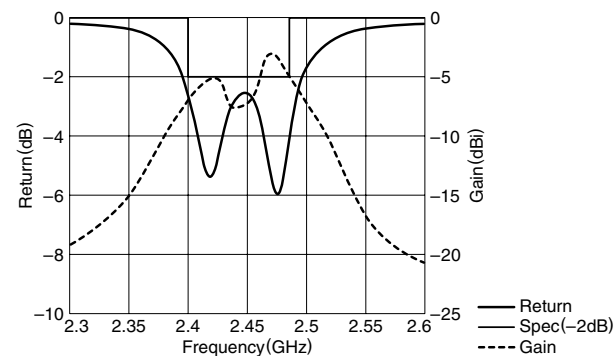
ELECTRICAL CHARACTERISTICS

Center frequency	2442MHz	
Band width	85MHz	
Antenna gain	-3dBi max.[2400 to 2485MHz]	
Impedance	50Ω[2400 to 2485MHz]	
Return loss	-2dB max.[2400 to 2485MHz]	
VSWR	8.5 max.[2400 to 2485MHz]	
Temperature range	Operating	-30 to +85°C
	Storage	-40 to +85°C

• Please use the 0dBi=-2.15dBd to convert antenna gain expressed in dBd.

FREQUENCY CHARACTERISTICS

RETURN LOSS AND GAIN



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

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

RADIATION PATTERNS

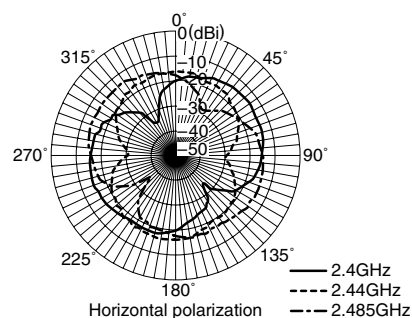
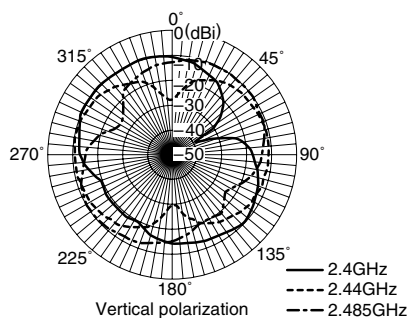
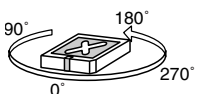
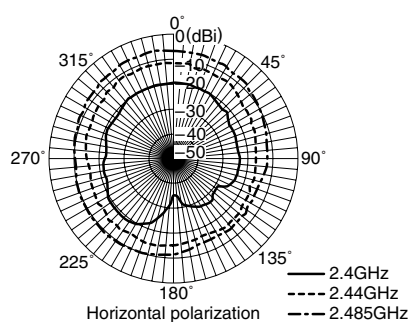
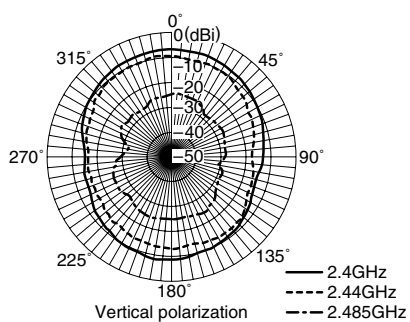
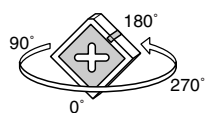
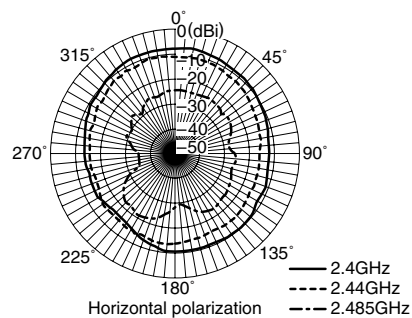
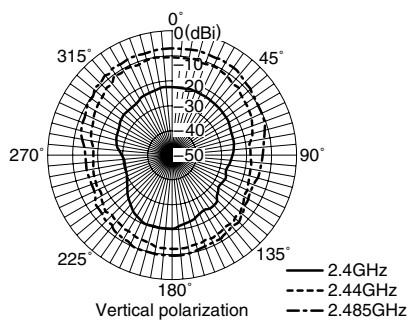
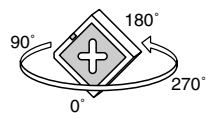
CABPB0715A(7×7×1.5mm Type)

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(TECOM)