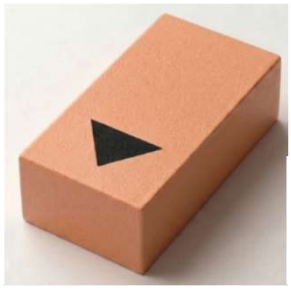
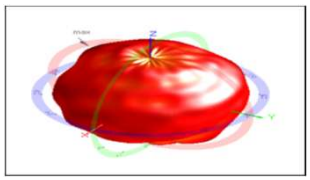
AMOTECH UWB Antenna Series
Chip Antenna (DCA / LTCC / Metal Stamped)

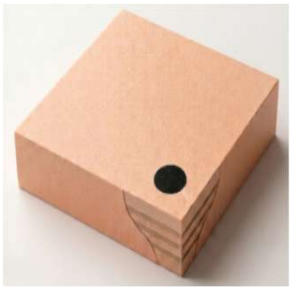
◈ Ceramic DCA Antenna (AMAN402012ST02)

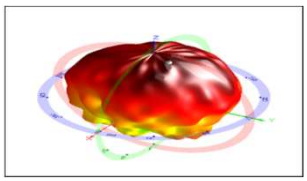




- Linear / Omni-directional
- Size: 4.0 x 2.0 x 1.2 mm
- Gain: 3.0 dBi
- Eff: 63% (CH5), 50% (CH9)
- Application: Digital Key (Tag)
  Home IoT Device (Tag)

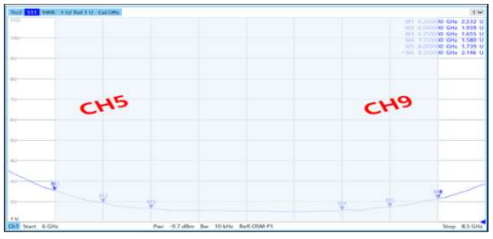
◈ Ceramic LTCC Antenna (ALA353510US01)

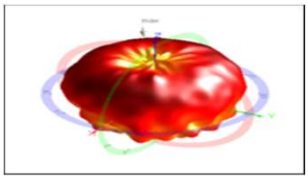




- Linear / Directional
- Size: 3.5 x 3.5 x 1.05 mm
- Gain: 3.5 dBi
- Eff: 27% (CH5), 46% (CH9)
- Application: Smart Door Locks (Anchor)
  RF Modules (Anchor)
  Mobile Devices (Anchor)

◈ Metal Stamped Antenna (AMO-MA-ST003)





- Linear / Directional
- Size: 13.0 x 7.8 x 3.0 mm
- Gain: 4.0 dBi
- Eff: 63% (CH5), 70% (CH9)
- Application: Smart Door Locks (Anchor)
  Home IoT Device (Anchor)
  Solar Panel (Anchor/Tag)

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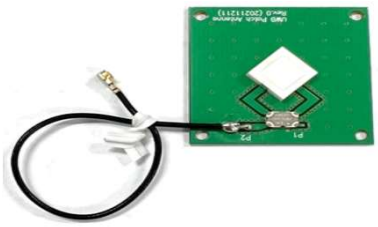
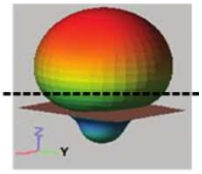
AMOTECH UWB Antenna Series
Patch Antenna (AUA / AUDA Series)

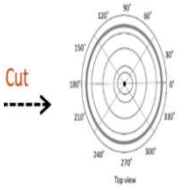
◈ Patch Antenna (AUA Series / Single Port)



● 3D Radiation Pattern

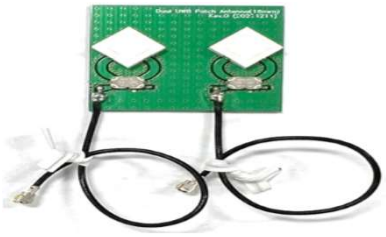


● Azimuth Cut shape : circle



- CP(Circular Polarization) / Directional
- Size: 30 x 30 x 3 mm
- Connector : U.FL(MHF)
- Cable: Dia. 1.13mm L=100mm
- Axial Ratio: Typ. 2~4dB @ CH 5, CH9
- VSWR: Typ. 2.0~2.5 @ CH5, CH9
- Mount: Screw (Dia. 2mm x 4EA)

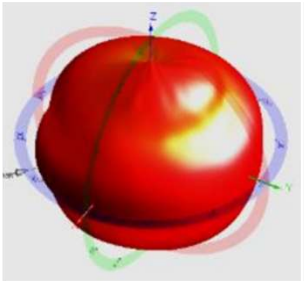
◈ Patch Antenna (AUDA Series / Dual Port)

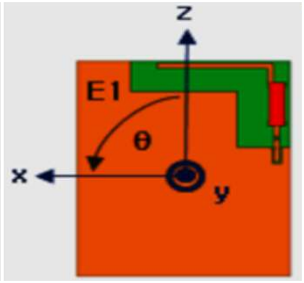


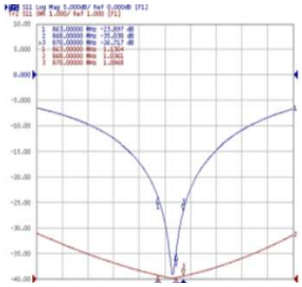
- CP(Circular Polarization) / Directional
- Size: 30 x 30 x 3 mm
- Connector : U.FL(MHF)
- Cable: Dia. 1.13mm L=100mm-2EA
- Axial Ratio: Typ. 2~4dB @ CH 5, CH9
- VSWR: Typ. 2.0~2.5 @ CH5, CH9
- Isolation: min. 20dB
- Mount: Adhesive tape

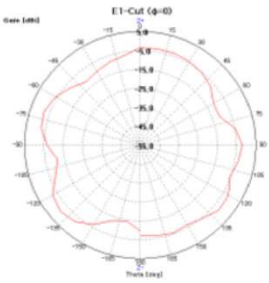
◈ Technical Support Services

- Simulation: Pre-simulation tailored to your specific device conditions
- Design Guide: Antenna placement and artwork guidance on your PCB
- Matching: Frequency & Impedance Optimization of matching to maximize radiation performance
- Measurement: Precise measurement of return loss and gain (efficiency)









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