BB-ACH2-DBAT-DP003

Introduction

Mechanical Diagram

Model BB-ACH2-DBAT-DP003 is a Wi-Fi RP-SMA, rubber-duck type, omni-directional antenna. It supports 2.4 GHz and 5 GHz Wi-Fi frequency bands, with 5 dBi gain.

Model BB-ACH2-DBAT-DP003 can be ordered as a replacement antenna for Advantech Airborne enterprise class bridges/routers and serial servers (models BB-APMN-Q551, BB-APXN-DP553, BB-WLNN series, etc.).



Features

- Wi-Fi 2.4 and 5 GHz frequency bands
- 5 dBi gain
- RP-SMA(M) type plug connector
- External, detachable, hinge/tilt •
- Replacement antenna for Advantech Airborne products •

2.4/5.8 GHz, 5 dBi, Wi-Fi RP-SMA Antenna

Ordering Information

| Model No. | Description |
|--------------------|--|
| BB-ACH2-DBAT-DP003 | Wi-Fi 2.4 /5.8 GHz, 5 dBi RP-SMA Antenna |

| specifications | | |
|-------------------------|-----------------------------|---------------|
| Electrical | | |
| Frequency | 2.4~2.5 | 4.9~5.8 GHz |
| VSWR | <2 | <2.1 |
| Peak Gain (straight) | 3.3 dBi | 4.9 dBi |
| Peak Gain (bend) | 3.8 dBi | 5.5 dBi |
| Average Gain (straight) | -0.9 dBi | -1.5 dBi |
| Average Gain (bend) | -0.7 dBi | -0.0 dBi |
| Efficiency (straight) | 80% | 71% |
| Efficiency (bend) | 86% | 83% |
| Polarization | Linear | |
| Impedance | 50 Ohms | |
| Radiation Pattern | Omni | |
| Input Power | 2W, maximum | |
| Mechanical | | |
| Connector | RP-SMA male | |
| Antenna Type | whip, tilt | |
| Dimensions | 194L x 12.8D mm | |
| Weight | 24.6 g | |
| Body Matrial | TPU | |
| Environmental | · | |
| Temperature Range | -40 to +85 °C | |
| Humidity | 95%, non-condensing, +65 °C | |
| Regulatory – Approval | s / Standards / Directives | |
| | CE, RoHS, IEEE | 802.11a/b/g/h |

Ø6.0±0.5 1 187,2±2 174±2 155±2 94±2 SMA(M) RP ST Ø12.5*1 0.9403 Ø13±1 5403 1/4*-36UNS-2B DETAIL 1'A' SCALE: 2/1 Ø13: 0 (4 Ø12.8 P/N Finish QTY Name Material Antenna Housing 0001111000002A TPU Black 1 * A * Rotary Shaft 000611000002A Brass, Gr Black 1 Upper Base 0001111010002A ABS+PC Black 1 0 4 Botiom Bas 0001111020002A ABS+PC Black 1 Ø0.9±0.05 SMA(M) RP 2102111000002A Brass Black 1

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All product specifications are subject to change without notice.