

WPANT30089-S1B

5 dBi Wi-Fi / WLAN Dual-band Body-mount Antenna



Description / Application

This is a high Gain, 5dBi Omni - directional body mount patch antenna. Excellent Gain, Radiation pattern and compact size makes this an ideal choice antenna for application where high Gain is needed either on metallic or non-metallic surfaces. This antenna is rated for outdoor use as well.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

| | | |
|--|---------------------------|---------------------------|
| Operating Frequency | 2.4 – 2.5 GHz | 4.9 – 5.9 GHz |
| Approximate Antenna Impedance [Ω] | 50 Ω | 50 Ω |
| VSWR – Typical | < 2:1 | < 3:1 |
| Peak Gain [dBi] (Typical) | 5 dBi | 4 dBi |
| Efficiency [%] (Typical) | 80 % | 80 % |
| Polarization | Linear | Linear |
| Pattern | Directional (Patch style) | Directional (Patch style) |
| Accepted Power [W] (Max) | 2 Watts | 2 Watts |

Mechanical / Environmental Properties

| | |
|--|----------------------------------|
| Antenna Dimensions | 2.6" Dia X 0.53" Height |
| Antenna Color | Black |
| Connector | Type-N Female with one flat edge |
| Operating / Storage Temperature | -40°C to +90°C |
| Environmental | Meets standards for UL 94V-0 |
| Hazardous Materials | RoHS Compliant |

Pictures of the Antenna



3D Radiation Pattern of the Antenna

