

Technical Specification Sheet

5GHz 802.11a Antenna – 100-0932-001

General Description

This dual band, 2.4GHz and 5.2GHz, antenna has been designed specifically for the WDAP5000 Access Product. It features 802.11a active antenna elements and 802.11b passive elements. The 802.11a antenna has two different emission patterns selectable via software control, omni and front half circle. To connect to the 802.11a active elements a 2mm UMP connector is used. A coaxial UFL connector is used to feed each of the 802.11b elements.

Electrical Specifications

802.11a Array

Frequency Range:	5.15 – 5.35 GHz
Peak Gain:	1.8dBi Omni, 5.6dBi Pattern
VSWR:	less than 2.0:1
Polarization:	Circular/Universal
Azimuth Beam-width:	Omni-directional/Pattern
Power Handling:	10Watt CW
Feed Point Impedance:	50 OHMS unbalanced

802.11b Elements

Frequency Range:	2.41 – 2.49 GHz
Peak Gain:	6.2dBi
VSWR:	less than 2.0:1
Polarization:	Linear
Azimuth Beam-width:	Omni-directional
Power Handling:	10Watt CW
Feed Point Impedance:	50 OHMS unbalanced

Mechanical Specifications

Size:	6.378 x 2.467 x 0.123 Inches
Weight:	1.5 oz
Mounting:	Snap on 12 pin Connector and slots

Antenna Patterns 2.45GHz - each element



