

LARSEN DUAL/WIDE BAND ANTENNAS

WLAN and Wi-Fi deployment is growing rapidly and so is the need for advanced technologies and multi band antennas. The roll-out of the 4.9 GHz band for public safety networks, requiring virtually the same antenna technology, represented a challenge for equipment manufacturers desiring to keep costs down and unique inventory to a minimum.

In response to these demands, Larsen has developed a unique line of products with “dual/wide band” capabilities. These products are designed to cover 802.11a, b and g, as well as the 4.9 GHz band. They are also designed to deliver superior electrical performance through efficient signal coverage. Larsen antenna designs cover virtually every requirement from the router to complete indoor coverage.



LARSEN DUAL/WIDE BAND ANTENNAS

| MODEL | FREQUENCY (MHz) |
|-----------------------|---|
| R380.500.314 | 2400-2500 / 4900-5900 |
| SPECIFICATIONS | |
| GAIN | 1.6 dBi / 5 dBi Max |
| VSWR | 2:1 |
| IMPEPDANCE | 50 Ohms |
| POLARIZATION | Linear Vertical |
| RADIATION PATTERN | E Plane: 85° Low Band 30° High Band H Plane: Omni-directional |
| OPERATING TEMPERATURE | -22° to +158° F |
| RADOME ENCLOSURE | PC / ABS |
| CONNECTOR | RP-TNC |
| COAX | Order Separately |
| DIMENSIONS | Bent: 6.1" H x 1.55" W Straight 7.15" H x .57" Dia |

| MODEL | FREQUENCY (MHz) |
|-----------------------|------------------------|
| R380.900.908 | 2400-2500 / 4900-5900 |
| SPECIFICATIONS | |
| GAIN | 4.5 dBi / 5 dBi |
| VSWR | 2 Maximum |
| IMPEPDANCE | 50 Ohms |
| POLARIZATION | Linear Vertical |
| RADIATION PATTERN | Omni-directional |
| MAXIMUM INPUT POWER | 10 Watts |
| OPERATING TEMPERATURE | +32° to +167° F |
| RADOME ENCLOSURE | UV Stabalized ABS |
| CONNECTOR | SMA Jack (Female) |
| COAX | 2' RG-58A/U (white) |
| DIMENSIONS | 3" H x 6.9" L x 1.8" D |
| MOUNTING | Direct Feed 3/4" hole |

| MODEL | FREQUENCY (MHz) |
|---------------------------|----------------------------|
| R380.900.909 | 2400-2500 / 4900-5900 |
| SPECIFICATIONS | |
| GAIN | 5.5 dBi / 9 dBi |
| VSWR | 2 Typical |
| IMPEPDANCE | 50 Ohms |
| POLARIZATION | Linear Vertical |
| PATTERN | Directional Patch |
| 3 dB BEAMWIDTH IN H PLANE | 97° / 65° |
| 3 dB BEAMWIDTH IN E PLANE | 68° / 50° |
| FRONT TO BACK RATIO | -15 dB Minimum |
| MAXIMUM INPUT POWER | 20 Watts |
| OPERATING TEMPERATURE | +32° to +167° F |
| RADOME ENCLOSURE | UV Stabalized ABS / PC |
| CONNECTOR | RP-TNC Plug (Male) |
| COAX | 3' RG-58A/U (white) |
| DIMENSIONS | 4.72" H x 3.5" W x 1.65" D |
| MOUNTING | Wall / Corner / Mast |

| MODEL | FREQUENCY (MHz) |
|-----------------------|---|
| R380.900.500 | 2400-2500 / 4900-5900 |
| SPECIFICATIONS | |
| GAIN | 2 dBi |
| VSWR | 2 Maximum |
| IMPEPDANCE | 50 Ohms |
| POLARIZATION | Vertical |
| RADIATION PATTERN | E Plane: Dipolar H Plane: Omni-directional |
| CROSS POLARIZATION | -15 dB |
| MAXIMUM INPUT POWER | 20 Watts |
| OPERATING TEMPERATURE | -49° to +194° F |
| RADOME ENCLOSURE | ABS |
| CONNECTOR | N |
| COAX | 12" RG-58A/U (white) |
| DIMENSIONS | .44" H x 3" Diameter |
| MOUNTING | Direct Feed 3/4" hole |