

### SPECIAL PURPOSE OMNIDIRECTIONAL ANTENNAS

Laird Technologies' ISM band data transmission omni-directional antenna, the S2403BP antenna provides for transmission and reception of linearly polarized signals in the 2400 - 2500 MHz frequency band.

The antenna consists of a series fed, two element dipole array providing a nominal 3 dBd gain with a nominal 360 by 30 degrees half power beamwidth.

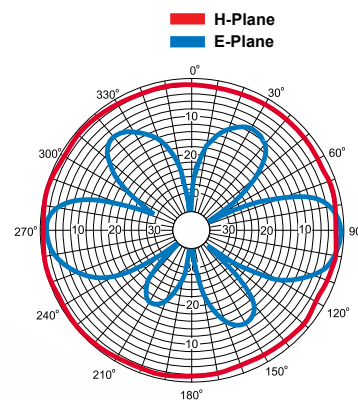
The antenna is an excellent choice for superior RF coverage in warehouses, auditoriums, shopping malls, industrial complexes and more. Standard models of the antennas are white in color. Installation options include a pole mount or suspended ceiling mount.

### FEATURES

- Polycarbonate enclosures
- Available with ceiling mounts
- Plated copper laminated radiator
- Weatherproof designs with UltraLink® pigtail
- Broad band performance
- DC grounded

### MARKETS

- WiMAX



S2403BP

| PARAMETER                                    | SPECIFICATIONS |               |               |               |                |
|--|----------------|---------------|---------------|---------------|----------------|
| Antenna Part Number                          | S5703BP5SMF    | S5703BH7SMF   | S2400BH12NF   | S2403BP12NF   | S2403BH12NF    |
| Frequency Range (MHz)                        | 5725 - 5875    | 5725 - 5875   | 2400 - 2500   | 2400 - 2500   | 2400 - 2500    |
| Gain (dBi)                                   | 5              | 5             | 2             | 5.15          | 5.15           |
| 3 dB Beamwidth E-Plane                       | 38°            | 38°           | 38°           | 38°           | 75°            |
| Height In (cm)                               | 7 (17.8)       | 7 (17.8)      | 11.5 (29.2)   | 11.5 (29.2)   | 9 (22.9)       |
| Weight lb (kg)                               | 0.3 (0.14)     | 0.2 (0.1)     | 0.31 (0.14)   | 0.41 (0.18)   | 0.29 (0.13)    |
| W/sur area ft <sup>2</sup> (m <sup>2</sup> ) | .06 (0.006)    | 0.006 (0.006) | 0.08 (0.007)  | 0.08 (0.007)  | 0.122 (0.0011) |
| W/survival mph (kph)                         | 125 (200)      | 125 (200)     | 125 (200)     | 125 (200)     | 125 (200)      |
| Enclosure                                    | Polycarbonate  | Polycarbonate | Polycarbonate | Polycarbonate | Polycarbonate  |
| Power (watts)                                | 20             | 20            | 50            | 50            | 50             |
| Mount Style                                  | Tube end       | Ceiling       | Ceiling       | Tube end      | Ceiling        |
| Mast Diameter in (cm)                        | 2 (5.1)        | N/A           | N/A           | 2 (5.1)       | N/A            |

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