

# Squint™ ISM Ceiling/Surface Mount Dipole Antenna

## SQ2403PG



### SQUINT™ ISM CEILING/SURFACE MOUNT DIPOLE ANTENNA

Laird recently engineered an omnidirectional Squint™ ISM band patch antenna with a 3.5 dBi dipole-like pattern shape and ceiling mount feature which provides an extremely low profile for minimum visual impact. This antenna provides for reception and transmission in the 2400-2500 MHz frequency band. The radiation pattern has a 50 degree beamwidth with the maximum directed at 45 degrees from the horizontal plane. A key feature of the Squint™ antenna is the use of a unique air dielectric design called MicroAir™, which eliminates losses associated with etched circuit boards and provides higher performance. Measuring only 4-3/32 x 4-3/32 x 7/8" (10.4 x 10.4 x 2.2 cm), this ultracompact, high performance antenna provides coverage for large indoor open spaces, locations with high ceilings and many places where extended coverage is needed. The total weight of the antenna is 4 ounces (114 grams). The antenna housing is vacuum thermoplastic. Standard models are white in color with a textured finish. Custom configurations of radome finish, color and texture can be provided to complement and blend within any environment, making it an ideal solution to meet the most demanding aesthetic requirements in today's workplace environments. Each Squint™ has a VSWR of 1:5:1 on 50 ohms impedance and comes with a standard 1-foot plenum coax and N-female connector. Additional connector and coax configurations are available upon request. The mounting system installs to build out seamless microcellular and picocellular cell sites quickly and efficiently. Applications for Squint™ include wireless telephone booths, industrial complexes, office environments, shopping malls, parking garages, airports, hospitals, campus settings and more.

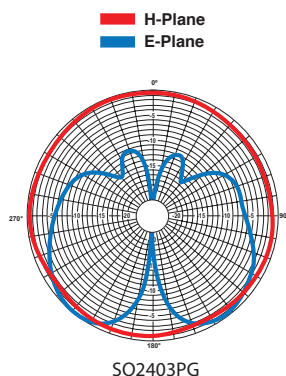
### FEATURES RoHS

- Ultra compact, high performance
- Omnidirectional, ISM band
- Connector types optional
- Ceiling mount

### MARKETS

- Wireless telephone booths
- Industrial complexes
- Office environments
- Shopping centers and parking garages
- Hospitals and campus settings
- Transportation centers

### ANTENNA PATTERN



| Model / Part Number     | SQ2403PG12NF                    | SQ1852PG12NF                    |
|-------------------------|---------------------------------|---------------------------------|
| Frequency MHz:          | 2400-2500                       | 1850-1990                       |
| Impedance (Ohms)        | 50                              | 50                              |
| Gain dBi                | 3.5                             | 2.5                             |
| VSWR:                   | 1.5:1                           | 1.5:1                           |
| Polarization:           | Linear                          | Linear                          |
| Beamwidth E-Plane, deg. | 50° (Peak @ 45°)                | 50° (Peak @ 45°)                |
| RF Connector (f)        | N                               | N                               |
| Dimensions in. (cm)     | 4 x 4 x 7/8 (10.2 x 10.2 x 2.2) | 4 x 4 x 7/8 (10.2 x 10.2 x 2.2) |
| Mount Style             | Ceiling                         | Ceiling                         |
| Weight lb (kg)          | .52 (.23)                       | .20 (.10)                       |

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ANT-DS-SQ2403PG 1113

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