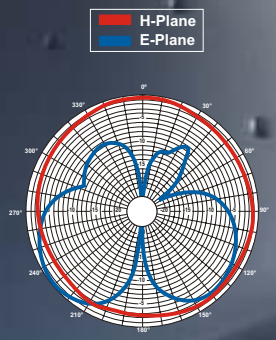
PRODUCT DATA SHEET

COMMUNICATIONS ANTENNAS

CUSHCRAFT CORPORATION

Mini-Squint Omnidirectional\f\bnten

- 3.0 dBi
- Small profile 2''x2''x3/4''
- 5150 - 5350 MHz frequency range



SQ5153P

SQ5153P

SQUINT™ 5.1 GHz ISM Band Ceiling Mount Omni

Cushcraft recently engineered an omnidirectional Squint™ patch antenna with a 3.0 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 5150-5350 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™. MicroAir™ eliminates the losses associated with etched circuit boards and provides higher performance. Measuring only 2"x 2"x 3/4" (5.1 x 5.1 x 1.5 cm), this ultra-compact, 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 1.6 ounces (45 grams). The antenna housing is vacuum formed out of 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 coax and SMA-female connector, additional connector and coax options are available upon request. The radome configuration provides an excellent antenna solution for system installers to build out seamless microcellular and picocellular cell sites quickly and efficiently. Offices, HealthCare facilities, educational or industrial campuses and shopping malls are just a few of the more common applications for this antenna design.

SPECIFIC\bION\fCH

Model	Frequency MHz	Impedance (Ohms)	Gain dBi	VSWR	Polarization	Beamwdth E-Plane, deg.	RF Connector Type	Dimensions In (cm)	Mount Style	Weight lb (kg)
SQ5153P12SMF	5150-5350	50	3.0	1.5:1	Linear	45º (Peak @ 53º)	SMA (f)	2x2x3/4 (5.1x5.1x1.5)	Ceiling	.1 (.05)

48 Perimeter Road, Manchester, NH 03103 Phone: 603-627-7877 Fax: 603-627-1764 E-mail: sales@cushcraft.com
Web Site: www.cushcraft.com