PRODUCT DATA SHEET

CUSHCRAFT CORPORATION

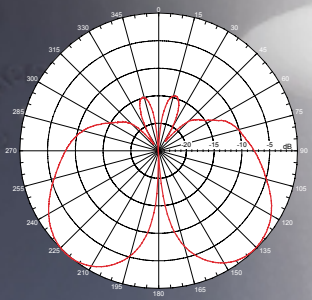
SQ87243P

SQUINT MULTIBAND MULTIMODE ANTENNA:

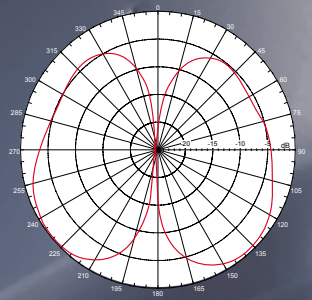
- Optimized for use with RF Distribution and WLAN systems
- Connector types can be modified
- Radome can be color matched to environment

Pattern data represents a ceiling mounted antenna.

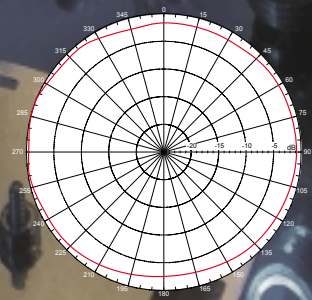
SQ87243P 2.45 GHz E-Plane



SQ87243P 870 MHz E-Plane



SQ87243P 870 MHz H-Plane



SQUINT™ Single Port Multiband, Multimode Ceiling Mount Antenna

The Cushcraft SQ87243P antenna is based on Cushcraft's high efficiency MicroAir design technique and offers the system integrator multiband, multimode performance and capability in one easy to install, low profile single port design. The antenna offers very uniform and symmetrical omnidirectional energy distribution from a ceiling mount location. The SQ87243P covers the DCS band from 1710-1880 MHz, GSM 900, IMT2000 as well as the 2400-2500 MHz 802.11b/g WLAN band all with excellent gain and pattern characteristics. The antenna is a perfect choice for the system integrator needing to optimize gain and pattern performance over a broad range of frequencies while satisfying the aesthetic requirements of the site owner.

The antenna is provided standard with ceiling mount hardware and an N female connector. Other connector options can be made available based on the requirement. Typical applications include multimode, multiband combination systems where GSM 900, DCS, IMT2000 and WLAN service must be provided for in the same location. One of the key advantages of the SQ87243P design is its highly symmetrical distribution of energy as it allows the system integrator to support load balancing the WLAN, 802.11b/g system. Load balancing is an important tool in designing high performance, high data rate contemporary wireless LAN systems.

Industrial and educational campuses, healthcare centers, office complexes, malls and transportation centers are just a few of the types of facilities for which the antenna is well suited to.

SPECIFICATION CHART

Model / Part Number:	SQ87243P
Frequency MHz:	870-960, 1710-2170, 2400 - 2500
Gain dBi:	3.0
E-Plane (3 dB beamwidth):	55° Average
H-Plane (3 dB beamwidth):	Omnidirectional
Impededance (Ohms):	50
Weight lb(kg):	1.4 (0.64)
Mounting Style:	Ceiling
Dimensions in.(cm):	10.1" x 10.1" x 1.5" (25.7 x 25.7 x 3.8 cm)
Enclosure:	PVC Acrylic
Power (Watts):	50
RF Connector:	Type N (f)

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