

## 902-960 MHz

### Circularly Polarized Panel Antenna for ISM Band

Cushcraft Corporation has engineered an ISM Band circularly polarized patch antenna, the S9028PC12NF. This antenna provides for reception and transmission in the 902-928 MHz frequency band. This antenna is designed to increase signal reception in environments where there is a presence of multipath and high scattering. The structure itself is designed using Cushcraft's MicroAir technology, which provides a low cost alternative to dielectric substrate designs. It has been proven to increase the antenna's radiation efficiency and hence achievable gain. The small size of this antenna provides an excellent antenna solution for system installers to build out seamless local area networks. 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. Applications for this antenna include industrial complexes, office environments, shopping malls, parking garages, airports, hospitals, campus settings and more.

Model	S9028PC12NF
3dB Beamwidth, Degrees E-Plane	65
3dB Beamwidth, Degrees H-Plane	65
Dimensions in.(cm)	10x10x1.5(25.4x25.4x3.8)
Frequency, MHz	902-928
Gain, dBi	7.5dBic
Mount Style	Wall/Surface
Polarization	Circular
Power (Watts)	1
RF Connector(f)	N
VSWR	1.5:1
Weight, lb(kg)	1.25(.57)