

# PRODUCT DATA SHEET

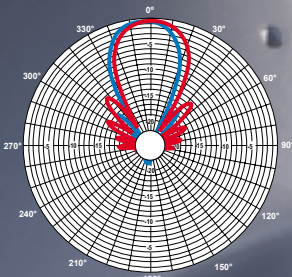
COMMUNICATIONS ANTENNAS



## 1.8 GHz PCS/DCS TRANSMISSION YAGI

- UV stable housing
- One piece brass radiating element
- Advanced microwave substrate
- Stainless steel hardware
- UltraLink® Pigtail

— H-Plane  
— E-Plane



PC18513N

## PC18513N



## PCS/DCS Yagi Antenna

For those long-range directional applications, Cushcraft has designed the PC18513N Yagi. It produces a gain of 13 dBi and can be mounted in a number of ways. The model shown utilizes the flat plate design although many others could be used. Cushcraft has the ability to modify this model for OEM applications to fit your needs. The UV-stabilized polycarbonate radome shields the antenna from the sun and all weather conditions.

### DATA TRANSMISSION YAGI SPECIFICATION CHART

Model:	PC2415N	PC18513N	PC17113N
Frequency: MHz	2400-2500	1850-1990	1710-1880
Gain:	13.9 dBi	13 dBi	13 dBi
Number Elements:	15	13	12
Front-to-Back Ratio:	18 dB	22	16
E-Plane (3 dB beamwidth):	30°	35°	35°
H-Plane (3 dB beamwidth):	34°	35°	35°
Radiating Element:	Brass	Brass	Brass
Impedance (Ohms):	50	50	50
RF Connector:	Type N female	Type N female	Type N female
Weight lb. (kg):	1.25 (.56)	1.25 (.56)	1.25 (.56)
Mounting:	Mast mounted w/U-Bolts & Brackets		
Dimensions in.(cm):	26-1/2 x 3-3/4 x 1-1/2 (67.3 x 9.5 x 3.8)		
Enclosure:	UV Stable Polycarbonate		
Mast Diameter Max. in.(cm):	2-1/8 (5.4)	2-1/8 (5.4)	2-1/8 (5.4)
Ultralink Cable: in (cm)	12 (30.5)	12 (30.5)	12 (30.5)