

PRODUCT DATA SHEET



5.25 - 5.35 GHz DIRECTIONAL YAGI

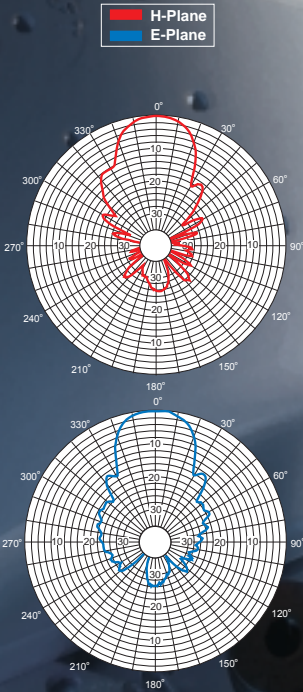
- UV stable housing
- Tilt mount hardware
- Advanced Yagi design
- Stainless steel hardware
- FEP Jacketed pigtail



PC52514SMF

5.25 – 5.35 GHz Directional 14 dBi Yagi Antenna

The PC52514SMF is a rugged, easy-to-install 14-dBi Yagi, 5.25-5.35 GHz Yagi designed especially for extended point-to-point links or narrow H-plane coverage zones like store aisles or tunnels. Enclosed in an attractive UV-stable weatherproof radome, it is both attractive enough to satisfy indoor aesthetic requirements and rugged enough to withstand outdoor exposures. The PC52514SMF is ideal for 802.11a and UNII applications, with plenty of gain to penetrate difficult path obstructions. Advanced genetic-algorithm design methods yield low SWR and a sharply defined pattern for improved suppression of troublesome multi-path signals. The standard antenna comes with a 12-inch low-loss coaxial pigtail and SMA female connector. Alternative coax cable lengths and connector types are also available. Radome weep holes are provided for vertical and horizontal orientation, with a sealing kit included for blocking the unused pair. Inside the radome, the high gain Yagi array is locked securely in position using a precision-machined solid-aluminum end-plug to ensure a lifetime of stable, trouble-free service and predictable, reliable, consistent performance.



PC52514SMF

SPECIFICATION CHART

Model / Part Number:	PC52514SMF
Frequency GHz:	5.25 - 5.35
Gain dBi (w/12" cable):	14
VSWR max:	1.5:1
E-Plane (3 dB beamwidth):	30°
H-Plane (3 dB beamwidth):	30°
Impedance (Ohms):	50
Polarization:	Linear
Weight oz(kg):	0.3 (0.14)
Mounting Style:	Mast
Elevation Tilt:	± 20°
Front to Back Ratio:	25 dB
Dimensions in.(cm):	12.25 x 1.75 dia (31.1 x 4.4 dia)
Enclosure:	Polycarbonate
Power (Watts):	25
RF Connector:	Female SMA
Pigtail:	12"