



SIGNAL ANTENNA SYSTEMS

MODEL: XFP-XX0524-LP-1000

The **XFP-XX0524-LP-1000** Series is a family of low-profile, high-gain directional antennas designed for X-band applications requiring compact installation and reliable RF performance. Each model provides 500 MHz of instantaneous bandwidth, 24 dBi typical gain, and linear polarization, making the series well suited for directional communication links, radar, sensing, telemetry, and other high-performance RF applications. The antenna's ultra-low-profile construction and integrated radome enable flush or concealed installation where space, aerodynamics, and visual signature are critical.

<i>XFP-XX0524-LP-1000</i>						
Frequency Range	8.9 – 9.3 GHz	9.3 – 9.75 GHz	9.75 – 10.25 GHz	10.25 – 10.75 GHz	10.75 – 11.25 GHz	11.25 – 11.75 GHz
Gain	24 dBi typ.					
3-dB Beamwidth	9.0° typ. (E and H Plane)					
Polarization	Linear (V or H)					
Sidelobes	-12 dB					
VSWR	2.0:1					
Impedance	50 Ohm					
Power Handling	50 W (CW)					
<i>MECHANICAL</i>						
Dimensions	7.5"x7.5"x0.2"					
Weight	8.0 oz					
Mounting	6X Holes for 6-32 or M3 Screws					
Interface	SMA Female (TNC, N-Type optional)					

