Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

Broadband Wireless Antenna
S9027PS

900-928 MHz SURFACE MOUNT 7 dBi PANEL ANTENNA

The Laird Technologies S9027PS antenna is designed for broadband wireless fixed subscriber applications in the 902-928 MHz frequency band. The antenna can in fact be used for any application in the 902-928 MHz band that requires directivity and ease of installation with negligible visual impact on the environment.

The antenna's suction cup mounting system allows for fast and easy installation on any window or smooth wall surface and allows the user to articulate the antenna such that it has the best view to the corresponding base station antenna.

The antenna design also includes an integrated coax pigtail with various coax lengths and connector type options.

Antenna efficiency has been optimized to such a high degree that the antenna package size for gain achieved is best in class and is representative of the state of the art mechanical and electrical design technologies that Laird Technologies is know for industry wide.

FEATURES ✓RoHS

- Integrated articulating wall/window mount
- Integrated coax pigtail and connector options
- High gain-to-size ratio value

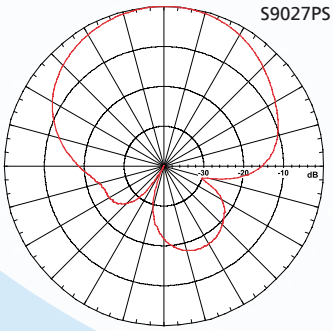
MARKETS

- Indoor wall or window mounting
- Single-family homes and apartments supporting broadband wireless system access
- WiMAX

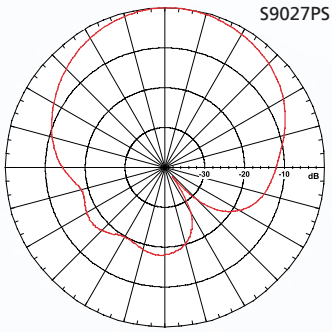
PARAMETER	
Frequency range	902-928 MHz
Gain	7 dBi
E-plane (3 dB beamwidth)	70°
H-plane (3 dB beamwidth)	75°
Polarization	Linear vertical or horizontal
Weight antenna with bracket	0.7 lbs (.32 kg)
Front-to-back ratio	15 dB
VSWR	1.5:1
Mounting style	Window / wall
Dimensions	7 x 7 x 1.3 in (17.8 x 17.8 x 33 mm)
Pigtail	12 in standard
Enclosure	FR acrylic / PVC
Power	10 watts
RF connector	SMA standard

ANTENNA PATTERN

S9027PS E-Plane



S9027PS H-Plane



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