

## ITS Panther Antennas

Model PLRIFD-902-101

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### Linear High Performance RFID Antenna for 902 to 928 Mhz



*This is the ideal antenna for RFID applications where you need greater read distance or tighter accuracy in either a vertical or horizontal plane. The antenna can be mounted in either orientation and we offer robust hardened steel mounts as well as rubber mounts. In addition, the Panther antennas use a separate high-performance LMR-240 cable that can be anywhere from 5 to 50 feet in length.*

### DETAILED ANTENNA SPECIFICATIONS

FREQUENCY RANGE 902-928 MHz  
GAIN 10 dBi  
VSWR 1.5 : 1  
3 dB BEAMWIDTH 50°(average)  
POLARIZATION: Vertical or Horizontal Linear  
SIDELOBE LEVELS -17dB (max) @ ±80°  
CROSS POLARIZATION -25dB (max)  
FRONT TO BACK RATIO -27dB (max)  
INPUT IMPEDANCE 50 (ohm)  
INPUT POWER 6W (max)  
LIGHTNING PROTECTION DC Grounded  
DIMENSIONS (LxWxD) 307x307x26mm  
WEIGHT 3.5 LBS without Mounting Bracket  
CONNECTOR N-type Female  
CABLE OPTIONAL - LMR-240 Male-N to RP-TNC Plug  
ANTENNA RADOME Plastic  
BASE PLATE Aluminum with chemical conversion coating  
MOUNTING KIT ITSP-902-101  
LOW TEMPERATURE -40DegF no more than 24 hours  
HIGH TEMPERATURE +140DegF no more than 24 hours  
VIBRATION IEC 60721 -3-4 30 min/axis - Random4M5  
SHOCK MECHANICAL IEC 60721 -3-4 - - 4M5  
HUMIDITY ETSI EN300-2-4 T4.1E 144 h - 95%  
WATER TIGHTNESS IEC 529 - IP67  
SOLAR RADIATION ASTM G53 1000 h  
FLAMMABILITY UL 94 Class HB  
SALT SPRAY IEC 68-2-11 Ka 500 h  
ICE AND SNOW - 25mm Radial  
WIND SPEED SURVIVAL - 140 mph  
OPERATIONAL USE - 100 mph  
WIND LOAD (SURVIVAL) FRONT TRHRUST - 10 kg  
SIDE THRUST - 1.6 kg

### FEATURED BENEFITS

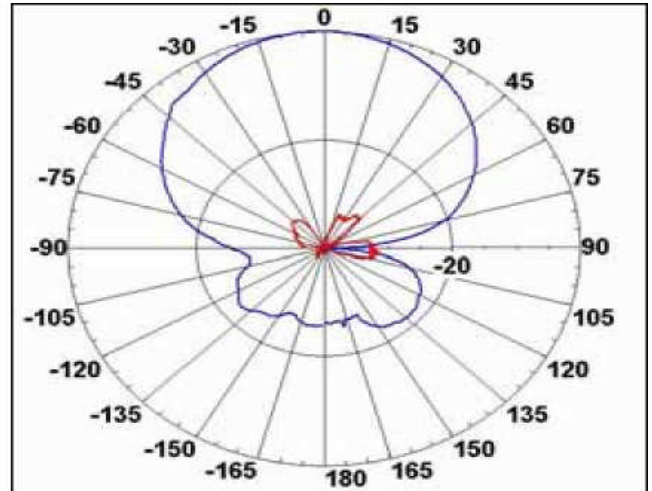
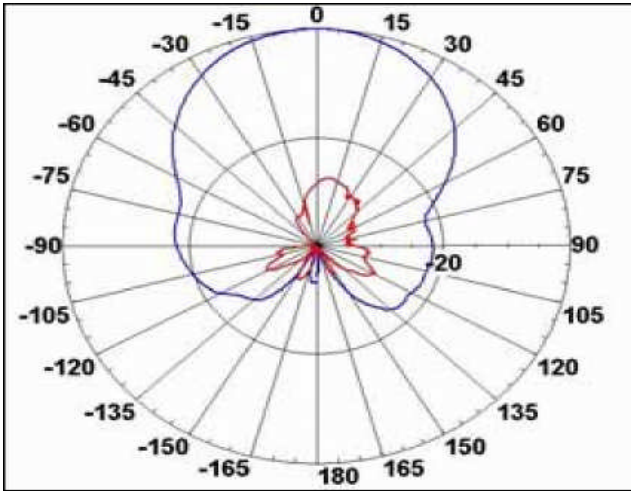
- Wide frequency coverage*
- Outstanding gain*
- Excellent SWR ratio*
- Very uniform gain pattern*
- Rugged and reliable*
- Removable cable assembly*
- Thin size for easy installation*
- Indoor or Outdoor use*
- Cable up to 75 feet in length*
- Flexible mounting options*
- Up to 6 watts of input power*
- Ideal for extreme cold or heat*
- Works with Alien/Impinj/Motorola*
- 90 day warantee*

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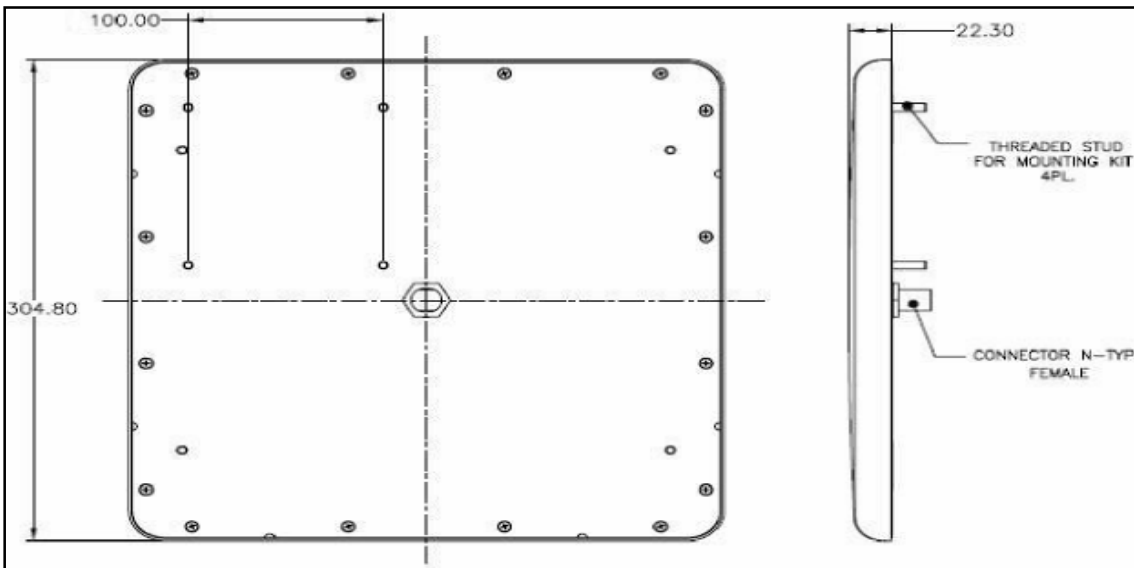
Model PLRIFD-902-101

Azimuth Radiation and Pattern Elevation

Midband Freq. 915 Mhz



## Dimensions [mm]



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NOTICE: Customer is required to conform to all FCC rules for total power radiated as well as any licenses required to operate. ITS is not responsible for any damage to other components or systems while using the antenna. Information in this document is subject to change at any time and may contain errors.