



MP Antenna, LTD.  
147 Eady Court  
Elyria, Ohio 44035

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www.mpantenna.com  
sales@mpantenna.com

**Part Number: MP0930-1X-HD**

product description: RuggedWave Impact Resistant Dual Band Omni Antenna

**Electrical Data**

frequency range: 2 - 3GHz, 4.9 - 6GHz	environmental
gain: 6 dBi *	conditions: Outdoor
vswr: <1.2:1	operation temperature: -40 to 85 deg C
horizontal pattern type: Omnidirectional	storage temperature: -40 to 85 deg C
vertical patter type: Hemispheric	transport temperature: -40 to 85 deg C
ground plane: Built-In	IP Rating: IP67
min ground plane: N/A	

**Environmental Data**

**General Data**

color: Black	length: 5.5 in
antenna feeds: One	width: 5.5 in
coax length: N/A	radome height: 1.83 in
coax type: N/A	total height: 1.83 in
connector type: N-Female	mounting type: Surface Mount
polarization: Multi-Polarized	hardware included: Nuts and Washers
power: 50 Watts Input	
impedance: 50 ohms nominal	
construction: Impact Resistant Delrin	

**Mechanical Data**

**\* With built in spatial and polarization diversity, performance in obstructed environments is greater than that of standard antennas with similar or higher laboratory gains.**

**Description:**

The MP0930-1X-HD is a low profile Multi-Polarized Surface Mount Omni Antenna designed for mobile Mining communications, and is made of impact resistant acetal Delrin. The exceptional effective hemispherical Multi-Polarized signal pattern provides unequalled wireless communication in "Real World" obstructed non-line-of-sight (NLOS) environments.





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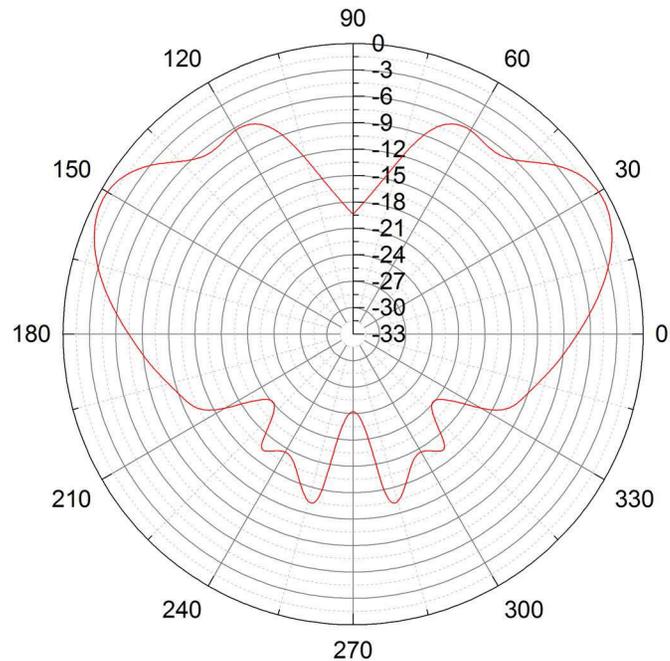
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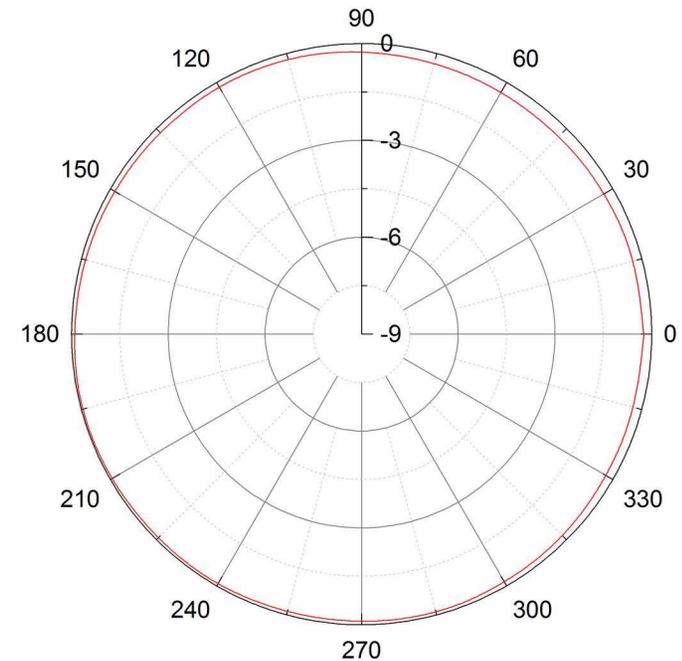
**Frequency: 2.4 - 2.5GHz**

**Peak Gain: 6dBi**

**ELEVATION**



**AZIMUTH**





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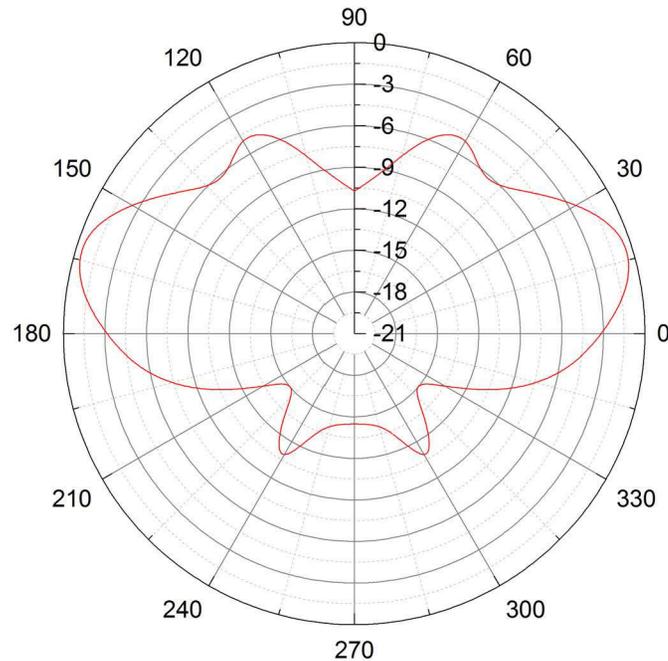
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**Frequency: 4.9 - 6GHz**

**Peak Gain: 6dBi**

**ELEVATION**



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