

ANTENNA KIT

900 MHz: 890-960 MHz



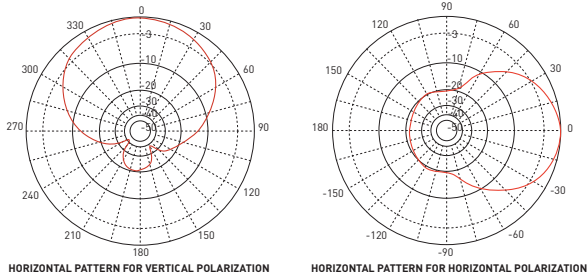
6dB Gain Antenna



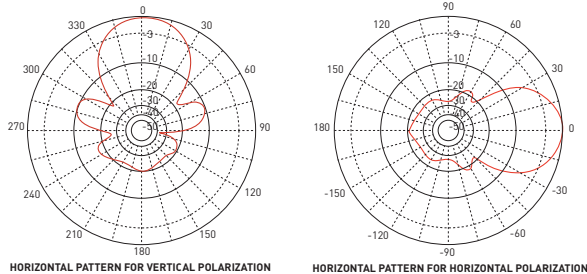
10dB Gain Antenna

Dataradio makes system installation easier with our 900 MHz antenna kits. Each kit includes a premium quality Yagi antenna, mounting bracket, surge protector, grounding kit, 25' LMR-400 feedline, cable ties, weather kit and jumper cable. Additional antenna feedline is available in 25' and 55' lengths.

Each antenna is made from a high strength 6061-T6 welded aluminum with an anodized black finish to provide corrosion resistance, giving you an antenna you can depend on for consistent communication even in the harshest environments.



6.5 db antenna polarization



10 dB antenna polarization

| | | |
|---|--|----------------------|
| Dataradio Part Number | 250-0291-406E | 250-0291-410E |
| Frequency Range | 806-960 MHz | |
| Bandwidth VSWR 1.5 | 90 MHz | |
| Front to Back Ratio | 15 dB | 20 dB |
| Horizontal Beamwidth at half power points | 65 deg | 50 deg |
| Vertical Beamwidth at half power points | 60 deg | 45 deg |
| Power Rating | 200 watts | |
| Lightning Protection | DC ground | |
| Termination | N Male (SMA with jumper cable converter) | |
| Height | 14" (305 mm) | 24" (610 mm) |
| Width @ 806 MHz | 6.8" (173 mm) | |
| Weight | 1.5 lbs (.7 kg) | |
| Rated Wind Velocity | 150 mph (241 kph) | |
| Lateral Thrust @ 100 mph wind velocity | 4.5 lbs (2 kg) | 7lbs (3.2 kg) |
| Projected Area | 0.17 ft sq (.015msq) | 0.26 ft sq (.023msq) |
| Polyphaser Model | B50LNC-2 (bulkhead mount) | |
| Surge Protection VSWR | 1.1:1 | |
| Surge Protection Impedance | 50 Ω | |
| Surge Protection Freq. Range | 125 - 1000 MHz | |
| Surge Protection Connectivity | Type N Female | |
| LMR Cable Attenuation | 3.9 dB/100 ft (12.8 dB/100m) | |
| LMR Cable Connectivity | Type N - Male | |

Note: Mounting clamp is supplied to mount the antenna on a 1.50" - 2.40" diameter mast; the clamp allows for vertical or horizontal positioning.