

# ANTENNA KIT

UHF: 450-470 MHz



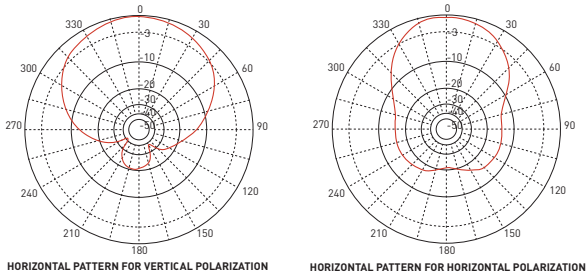
6 dB gain antenna



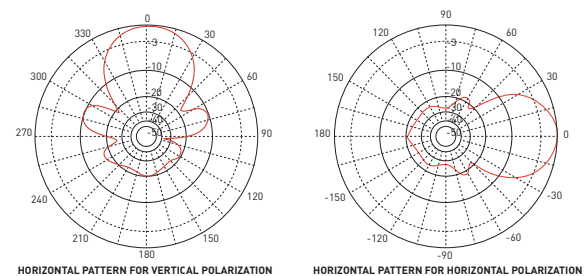
10 dB gain antenna

Dataradio makes system installation easier with our UHF 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 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 db antenna polarization



10 dB antenna polarization

Dataradio Part Number	250-0241-507	250-0241-510
Frequency Range	450-470 MHz	
Bandwidth VSWR 1.5	30 MHz	
Front to Back Ratio	12 dB	20 dB
Horizontal Beamwidth at half power points	100 deg	55 deg
Vertical Beamwidth at half power points	65 deg	48 deg
Power Rating	200 watts	
Lightning Protection	DC ground	
Termination	N Male (SMA with jumper cable converter)	
Height	18" (457 mm)	44" (1118 mm)
Width @ 403 MHz	13.8" (351 mm)	14.3" (362 mm)
Weight	3 lbs (1.4 kg)	5 lbs (3 kg)
Rated Wind Velocity	150 mph (241 kph)	14.3" (362 mm)
Lateral Thrust @ 100 mph wind velocity	8.3 lbs (3.8 kg)	23 lbs (10.5 kg)
Projected Area	0.22 ft sq (.02 msq)	0.60 ft sq (.057 msq)
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.