

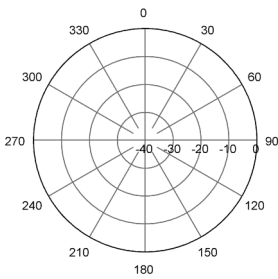
A 2-in-1 heavy duty "lightning proof" Colinear antenna designed for use in TETRA networks. Two separate omnidirectional antennas are contained inside a single high strength, glassfibre shroud. High port to port isolation between the antennas allows for diversity. Produced to the highest quality standards, these robust antenna designs will insure reliable operation in harsh environmental conditions.

5201xxx

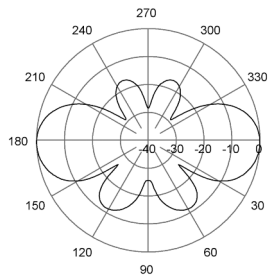
V-Pol | 2-in-1 Heavy Duty Colinear | 360° | 2.8 dBd

Replace "xxx" with desired model number option.

| Electrical Characteristics | | |
|---------------------------------|---|---|
| Frequency range | 380..470 MHz | |
| Model number options (xxx) | Model Number 5201000 5201450 | Frequency band 380-400 MHz 380-400 MHz (top) / 450-470 MHz (bottom) |
| Polarization | Vertical | |
| Horizontal beamwidth | 360° | |
| Vertical beamwidth | 36° | |
| Gain | 2.8 dBd per array | |
| Electrical downtilt | 0° | |
| Impedance | 50Ω | |
| VSWR | <1.4:1 | |
| Port-to-port isolation | >27 dB | |
| IM3 (2x20W carriers) | <-153 dBc | |
| Maximum power | 2 x 300 W | |
| Connector type | 2 x 7/16-DIN Female | |
| Lightning protection | DC grounded. Antenna remains intact following a lightning strike of 2.5 x 10 ⁵ Amp ² second. Final 1/2" stainless steel extending 220 mm (8.7 in) beyond top cap. | |
| Mechanical Characteristics | | |
| Materials | Glass fibre shroud Aluminium mounting section | |
| Dimensions (Length) | 3160 mm | 124.4 in |
| Weight without bracket | 7.0 kg | 15.4 lbs |
| Wind load @ 160 km/hr (100 mph) | 180 N | 40.5 lbf |
| Mounting Options | | |
| Mounting bracket | 0300120/00 | |



Horizontal



Vertical

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.