

7549387

380 MHz to 400 MHz

Colinear Antenna

Variable Tilt

PRELIMINARY

A heavy duty, variable electrical downtilt Colinear antenna designed for use in TETRA networks. This antenna has been optimized to provide a signal level at the horizon which is -5dB +/- 3dB below the main beam maximum. This adjustment range allows an operator to fine tune the coverage of each cell and minimize adjacent cell interference. The antenna is housed inside a high strength, glassfibre shroud and manufactured to the highest quality standards insuring long term, reliable operation.

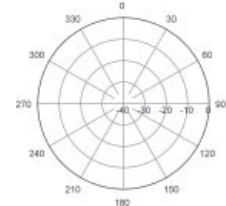
Type 7549387

| Electrical Specifications | |
|---------------------------|------------------------|
| Frequency Range: | 380 MHz to 400 MHz |
| Gain: | 7.9 dBd |
| VSWR: | <1.5:1 |
| Maximum Power: | 250 W |
| Polarisation: | Vertical |
| Horizontal Beamwidth: | 360° |
| Vertical Beamwidth: | 9° |
| Electrical Downtilt: | 5° - 8° Variable Tilt* |
| Impedance: | 50 ohms |
| Termination: | 7/16-DIN Female |
| Lightning Protection: | DC Grounded |

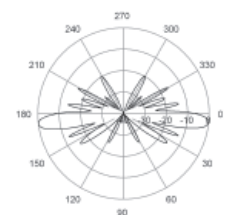
* Electrical Tilt is adjusted by a knob at the bottom of the antenna.

| Mechanical Specifications | |
|-------------------------------|--|
| Materials: | Glass fibre shroud with 80 mm dia. Aluminium mounting section |
| Length: | 5235 mm (excluding finial) 5460 mm (including finial) |
| Weight (excluding mount): | 15 kg |
| Windloading @ 45 m/s: | 365 N |
| Recommended Mounting Bracket: | 0900638/00 |

Please order Mounting Bracket separately.



Horizontal Pattern



Vertical Pattern