

## 7533xxx

V-Pol | Colinear | 360° | 3.0 dBd

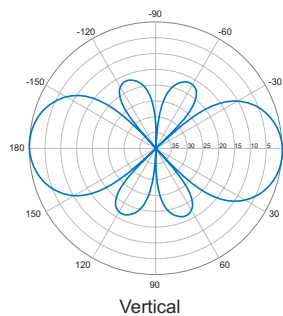
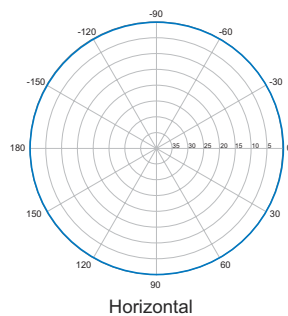
A rugged and durable UHF Colinear antenna carrying UK R.A. type approval for UHF Telemetry systems. This design is housed inside a high-strength, glassfibre shroud and includes an integrated mounting clamp allowing easy installation on poles or horizontal rails. Produced to the highest quality standards, these robust antenna designs will insure reliable operation in harsh environmental conditions.

Replace "xxx" with desired model number option.

| Electrical Characteristics |   |              |                 |         |             |         |             |         |             |         |             |
|----------------------------|---|--------------|-----------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Frequency range            | 380..512 MHz  |              |                 |         |             |         |             |         |             |         |             |
| Model number options (xxx) | <table border="1"> <thead> <tr> <th>Model Number</th> <th>Frequency band*</th> </tr> </thead> <tbody> <tr> <td>7533395</td> <td>380-410 MHz</td> </tr> <tr> <td>7533400</td> <td>400-440 MHz</td> </tr> <tr> <td>7533000</td> <td>430-470 MHz</td> </tr> <tr> <td>7533491</td> <td>470-512 MHz</td> </tr> </tbody> </table> | Model Number | Frequency band* | 7533395 | 380-410 MHz | 7533400 | 400-440 MHz | 7533000 | 430-470 MHz | 7533491 | 470-512 MHz |
| Model Number               | Frequency band*   |              |                 |         |             |         |             |         |             |         |             |
| 7533395                    | 380-410 MHz   |              |                 |         |             |         |             |         |             |         |             |
| 7533400                    | 400-440 MHz   |              |                 |         |             |         |             |         |             |         |             |
| 7533000                    | 430-470 MHz   |              |                 |         |             |         |             |         |             |         |             |
| 7533491                    | 470-512 MHz   |              |                 |         |             |         |             |         |             |         |             |
| Polarization               | Vertical  |              |                 |         |             |         |             |         |             |         |             |
| Horizontal beamwidth       | 360°  |              |                 |         |             |         |             |         |             |         |             |
| Vertical beamwidth         | 35°   |              |                 |         |             |         |             |         |             |         |             |
| Gain                       | 3.0 dBd   |              |                 |         |             |         |             |         |             |         |             |
| Electrical downtilt        | 0°  |              |                 |         |             |         |             |         |             |         |             |
| Impedance                  | 50Ω   |              |                 |         |             |         |             |         |             |         |             |
| VSWR                       | <1.5:1  |              |                 |         |             |         |             |         |             |         |             |
| Maximum power              | 150 W   |              |                 |         |             |         |             |         |             |         |             |
| Connector type             | N-Female + 0.3m RG213 cable<br>(7/16-DIN optional)  |              |                 |         |             |         |             |         |             |         |             |
| Lightning protection       | DC grounded   |              |                 |         |             |         |             |         |             |         |             |

\* Other frequencies available upon request.

| Mechanical Characteristics      |   |
|---------------------------------|---|
| Materials                       | Glass fibre shroud<br>Aluminium mounting section                        |
| Dimensions (Length)             | 1500 mm      59.1 in  |
| Weight without bracket          | 1.5 kg      3.3 lbs   |
| Wind load @ 160 km/hr (100 mph) | 35 N      7.9 lbf   |
| Mounting Options                |   |
| Mounting                        | Integral mounting clamp to fit<br>38-50 mm dia. pipe or horizontal rail |



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.