

# 12-200

# CHELTON

## Multiband Passive Antenna

### Key features:

- Multi-Band Passive
- High Efficiency
- 50 and 100 watt variants
- Height 376mm (14.7 inches)
- Gain at 30MHz > -24 dBi

Type 12-200 is a multi-band passive antenna operating over the frequency bands 30-88MHz, 108-174MHz and 225-400MHz.

### ELECTRICAL

|                     |                 |            |
|---------------------|-----------------|------------|
| <b>Impedance</b>    | 50 Ω            |            |
| <b>VSWR</b>         | 30 - 88 MHz     | <2.5:1     |
|                     | 108 - 118 MHz   | <5.0:1     |
|                     | 118 - 174 MHz   | <2.0:1     |
|                     | 225 - 400 MHz:  | <2.0:1     |
| <b>Gain</b>         | 30 MHz:         | -24 dBi    |
|                     | 88 MHz:         | -12 dBi    |
|                     | 108 - 174 MHz:  | -3 dBi avg |
|                     | 225 - 400 MHz:  | +3dBi avg  |
| <b>Polarisation</b> | Vertical        |            |
| <b>Radiation</b>    | Omnidirectional |            |

### MECHANICAL

|                           |                   |  |
|---------------------------|-------------------|--|
| <b>Dimensions (LxWxH)</b> | 299 x 91 x 373 mm |  |
| <b>Weight</b>             | 1.7 kg            |  |
| <b>Connector</b>          | N Type Female     |  |
| <b>Platform(s)</b>        | Air               |  |



### ENVIRONMENTAL

|   |                             |
|---|-----------------------------|
| <b>Standards</b>                        | DO-160                      |
| <b>Continuous Operating Temperature</b> | -55°C Min                   |
|   | +70°C Max                   |
| <b>Altitude</b>                         | 35000 ft                    |
| <b>Vibration</b>                        | RTCA DO-160C, Sect 8, Cat C |