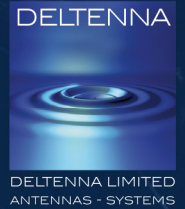


DATA SHEET

DCS AS 50 50

RUGGED ANTENNA

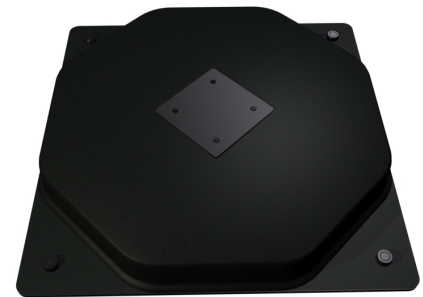
Deltenna Limited
 9 Forest Gate, Pewsham, Chippenham,
 Wiltshire, SN15 3RS, United Kingdom
 Tel +44 (0)1249 450 910 Fax +44 (0)1249 656549
info@deltenna.com www.deltenna.com



| | |
|---------------------------------------|------------------------|
| Wide Band | 824MHz – 894MHz |
| Polarisation | CP |
| Azimuth Half Power Beamwidth | 50 |
| Elevation Half Power Beamwidth | 50 |
| Fixed Electrical Tilt | 0 |

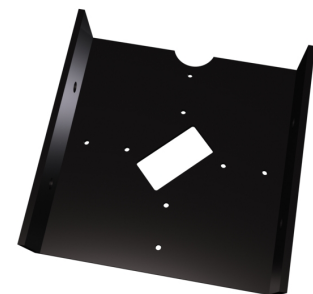
| Mechanical Specifications | |
|---------------------------|---------------------------|
| Input | 2 x SMA female (1 loaded) |
| Connector Position | Rear |
| Weight | |
| Wind Load | 40N |
| Max. wind velocity | 130Km/h |
| Packing Size | NA |
| Height/width/depth | 315/315/40 mm |

| Type No | DCS AS 50 50 |
|--|--|
| Frequency Range | 824 - 894 MHz |
| Polarisation | Circular |
| Gain | 10dBi @ 894MHz |
| Axial Ratio | <3dB |
| Azimuth Half Power beam width Copolar | 50 degrees +/- 5 degrees |
| Elevation Half Power beam width Copolar | 50 degrees +/- 5 degree |
| Fixed Electrical tilt options # | 0 degrees |
| Sidelobe suppression for firstsidelobe above horizon | NA |
| Front to back ratio copolar | >20 dB |
| Cross Polar Ratio on boresight | Typically 20 dB |
| Isolation: port to port | -15dBi |
| Impedance | 50Ω |
| VSWR | <2:1 |
| Max power per input | 20 Watts at 50 degrees ambient temperature |



Radome available in any standard RAL colour by request

UNIVERSAL FIELD MOUNTABLE BRACKET



DATA SHEET
DCS AS 50 50
RUGGED ANTENNA

200W/m²

100W/m²

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DELTEENNA LIMITED
ANTENNAS - SYSTEMS

| Type No | Description | Remarks | Weight approx | Units per antenna |
|---------|-------------|---------|---------------|-------------------|
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PROVISIONAL DATA SHEET