

External Dish Antenna -  
Extended Temperature

HF55-DPDISH-23-EXT

5 GHz Dual Polarized Dish Antenna 23dBi with Radome



Electrical Parameters

|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| Frequency (MHz)             | 5150 - 5875                                            |
| Gain (dBi)                  | 2 x 23±1                                               |
| VSWR (Max)                  | < 1.5:1                                                |
| H Plane BW (°)              | 12±0.5                                                 |
| E Plane BW (°)              | 12±0.5                                                 |
| Polarization                | Linear V & H                                           |
| Port to Port Isolation (dB) | > 30                                                   |
| Max. Power Handling (W)     | 100                                                    |
| Impedance (Ω)               | 50                                                     |
| Front to Back Ratio (dB)    | > 30                                                   |
| Cross Polar Ratio (dB)      | > 22                                                   |
| Connector Termination       | 2 x 1000 mm length .141 Cable with N (male) connectors |
| Lightning Protection        | DC Grounded                                            |

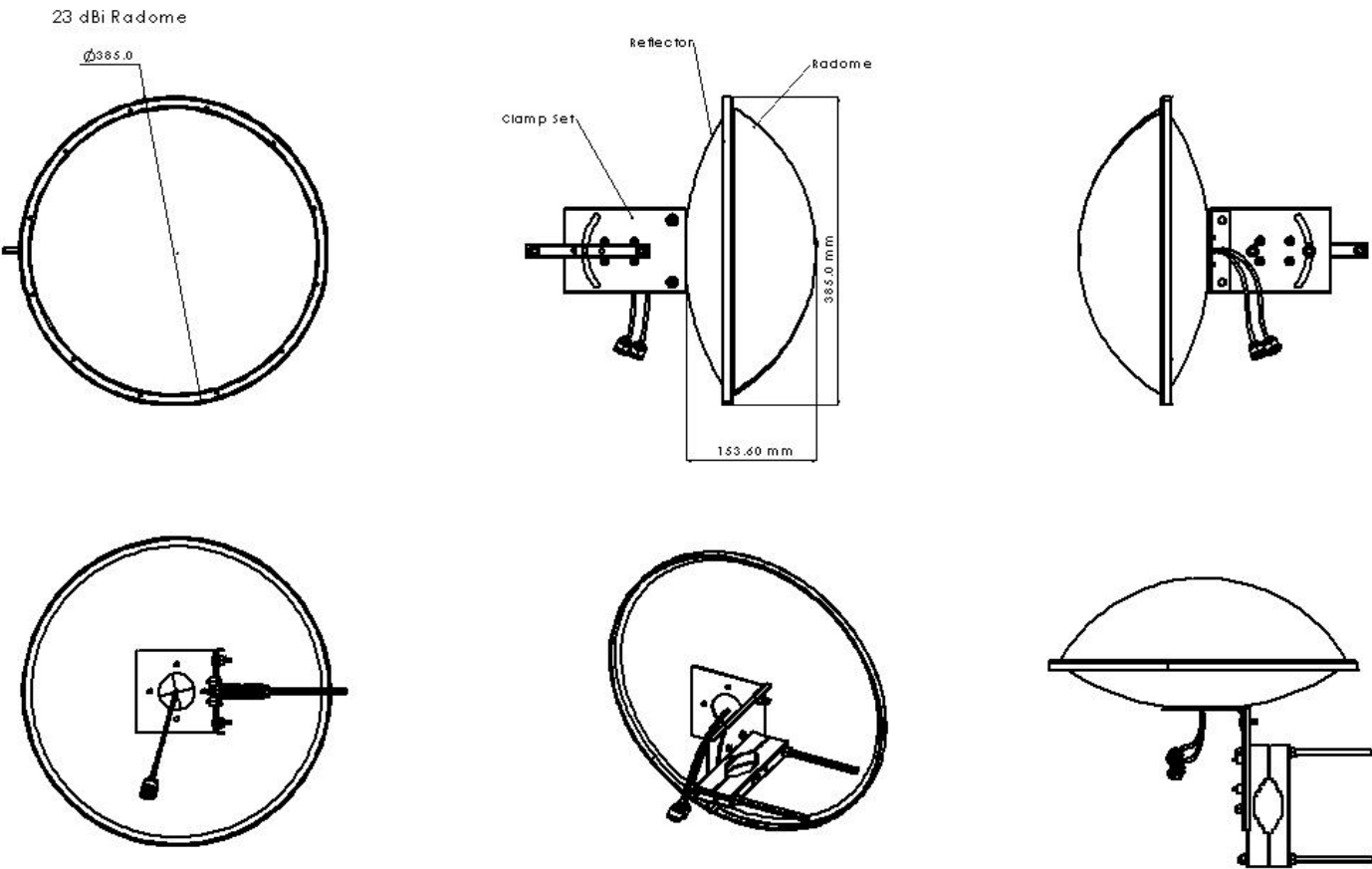
Mechanical Parameters

|                         |                             |
|-------------------------|-----------------------------|
| Dimension (with Radome) | Ø 385 mm x 200 mm           |
| Antenna Material        | Aluminium                   |
| Finish                  | White Powder Coated         |
| Radome Material         | UV ABS                      |
| Radome Colour           | White / Matt Finish         |
| Weight (kg)             | 1.5 (Dish, Feed and radome) |

Environmental Limits

|                        |                                  |
|------------------------|----------------------------------|
| Temperature Range (°C) | ( - ) 40 to ( + ) 70             |
| Wind Speed (km/hr)     | 200 (Survival) 150 (Operational) |
| Humidity               | 95% No Condensation              |
| Water Proofing         | IP 67                            |

Mechanical Dimensional Details



| Ordering Information |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Model No.            | Description                                                                        |
| HF55-DPDISH-23-EXT   | IO 5 GHz UBR Dual Polarized Dish Antenna, 23 dBi, extended temperature with Radome |

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