

# AllDisc

## Cellular Antenna

AllDisc is a 5G ready, low profile antenna with durable design. The antenna is ground plane independent and enables flexible and easy installation. Perfect for M2M applications such as fleet management, track and trace and smart metering.

- Cellular (2G/3G/4G/5G): 698-960MHz, 1710-2690MHz and 3400-3800MHz
- Discreet design with center screw installation
- IP6K9K class
- DC short
- Verified according to VW test requirements
- Cable approved acc ECE-R118
- Designed in Sweden with Design registration

### Specifications

#### Electrical

|   |  |         |
|---|--|---------|
| Frequencies   | 698-960MHz<br>1710-2690MHz<br>3400-3800MHz |         |
| Impedance   | 50Ω  |         |
| Polarization  | Vertical                                   |         |
| VSWR (0,5m cable)   | 698-790MHz                                 | ≤ 2:1   |
|   | 790-880MHz                                 | ≤ 2.0:1 |
|   | 880-960MHz                                 | ≤ 2.7:1 |
|   | 1710-1880MHz                               | ≤ 2.5:1 |
|   | 1880-2170MHz                               | ≤ 2:1   |
|   | 2500-2690MHz                               | ≤ 3.0:1 |
| Gain,<br>on ground plane<br>(peak gain, excluding cable)            | 3400-3800MHz                               | ≤ 3.0:1 |
|   | 698-960MHz                                 | 4.5dBi  |
|   | 1710-1880MHz                               | 5dBi    |
|   | 1920-2170MHz                               | 4.5dBi  |
|   | 2500-2690MHz                               | 3.5dBi  |
| Gain,<br>on non-conducting material<br>(peak gain, excluding cable) | 3400-3800MHz                               | 7dBi    |
|   | 698-880MHz                                 | 1dBi    |
|   | 880-960MHz                                 | 1.5dBi  |
|   | 1710-1880MHz                               | 4dBi    |
|   | 1920-2170MHz                               | 3dBi    |
|   | 2500-2690MHz                               | 3dBi    |
| Max power   | 3400-3800MHz                               | 6.5dBi  |
|   | 10W  |         |

Smarteq, based in Stockholm, Sweden, is a leading developer of antennas and antenna systems for increased availability. Smarteq aims towards the market segments industry, energy and vehicles.

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**Mechanical**

|                    |                                 |                |
|--------------------|---------------------------------|----------------|
| Dimensions (D x H) | 138 x 55mm                      |                |
| Installation       | Hole mount with center screw    |                |
|                    | Hole dimension Ø19mm            |                |
|                    | Installation thickness ≤ 8.5mm  |                |
|                    | Min. installation radius 2000mm |                |
| Cable              | RG316, grey                     |                |
|                    | Cable length upon request       |                |
| Connector          | Connector type upon request     |                |
| Weight             | ~200g                           |                |
| Material           | PC/PBT/Aluminum alloy           |                |
| Color              | Black, White, Grey (RAL7035)    |                |
| IP class           | IP6K9K                          |                |
| Temperature        | Storage                         | -40°C to +85°C |
|                    | Operating                       | -40°C to +85°C |

**Other**

This part is RoHS and REACH compliant.

Smarteq reserves the right to change specifications without prior notice.

| Part number | Color | Installation type | Cable length (m) | Connector type |
|-------------|-------|-------------------|------------------|----------------|
| 710256      | White | Long screw        | 1m               | SMA(m)         |
| 710259      | Black | Standard screw    | 0,5              | SMA(m)         |
| 710266      | Black | Standard screw    | 2,5              | SMA(m)         |
| 710278      | White | Standard screw    | 0,5              | N-f            |

Important: Please note that other cable lengths and connector types are available upon request. Please do not hesitate to contact your local Smarteq representative with your specific requirements.