

# Smarteq™ AllDisc-S Cellular Antenna

Cellular Antennas (5G, LTE, CBRS, 3G, 2G)

710258, 710255



## Description

Compact, low-profile, whipless cellular antenna with durable design that delivers optimal performance and support of multi-carrier voice and data networks.

## Technologies

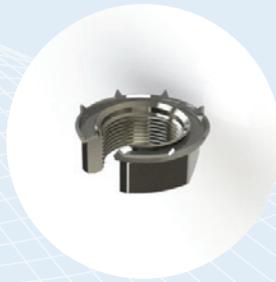
- 2G / 3G / 4G / 5G
- NB-IoT

## Features

- Durable, low-profile design
- 5G ready
- Easy to install
- IP6K9K class
- Cable approved acc ECE-R118



710452 – AllDisc  
bracket



710598 – Slitted nut



710206 – Extension nut  
to be used on AllDisc with long  
screw enabling installation  
thickness 25-50mm

## Smarteq™ AllDisc-S Cellular Antenna

### Cellular Antennas (5G, LTE, CBRS, 3G, 2G)

The Smarteq™ AllDisc-S is a 5G-ready, low-profile antenna platform with durable design. Its small physical size enables a flexible and easy installation, making it perfect for Smart City, Smart Metering, EV charging, M2M applications, and load handling. The superior RF performance enables high connectivity and throughput. The AllDisc-S has been successfully tested for durability according to Volkswagen automotive test standards.

#### Features

- Cellular: 617-960 MHz, 1710-2690 MHz, and 3300-3800 MHz
- 5G ready
- IP6K9K class
- Cable approved according to ECE-R118
- Designed in Sweden with design registration

#### Certifications



#### Applications

- Off-Highway Vehicle (OHV)
- ECU/Gateway
- M2M
- Public safety
- Smart Metering
- Smart City
- EV-chargers
- Vending machines
- Parking meters

**SPECIFICATIONS**



# Smarteq™ AllDisc-S Cellular Antenna

## Cellular Antennas (5G, LTE, CBRS, 3G, 2G)

### Standard Configurations

Model	Elements	Cable	Cable Length	Connector	Housing Color	Mount	Accessories
710258	LTE/5G	RG316, grey	0.5m	SMA-Male, Other connector type upon request	Black	Hole mount with center screw and adhesive tape	710452 – AllDisc bracket 710598 – Slitted nut 710206 – Extension nut
710255	LTE/5G	RG316, grey	2.5m		Black		

### Electrical Specifications – RF Antennas (All Models)

Frequency Ranges	VSWR	Peak Gain <sup>1</sup>	Efficiency	Nominal Impedance	Polarization	Radiation Characteristics	Maximum Power	DC Short
<b>LTE / 5G</b>								
617 - 698 MHz	≤ 4.5:1	1 dBi	50%	50Ω	Linear, vertical	Omnidirectional	10 watts	Yes
698 - 880 MHz	≤ 2:1	4.5 dBi	89%					
880 - 960 MHz	≤ 2.5:1	5 dBi	89%					
1710 - 1880 MHz		5 dBi	89%					
1710 - 2690 MHz	≤ 2.5:1		89%					
1920 - 2170 MHz		4.5 dBi	89%					
2500 - 2690 MHz		3.5 dBi	88%					
3400 - 3800 MHz	≤ 2.5:1	7 dBi	82%					

### Mechanical and Environmental Specifications

#### Physical

Dimensions (D x H)	96 x 55 mm
Weight	~150g
Radome Construction	PC/PBT/Aluminum alloy
Operating / Storage Temperature	-40°C to +85°C
IP Class	IP6K9K

### Extension Cables

Part Number	Cable Length	Connector	Gender	Color
<b>LL58 Cable</b>				
201417-1	3m	SMA	Female/Male	White
201417-2	5m	SMA	Female/Male	White
201417-3	10m	SMA	Female/Male	White
201417-7	5m	SMA	Female/Male	Black
<b>Low Loss Cable</b>				
707220	3m	SMA	Female/Male	Black
710298	5m	SMA	Female/Male	Black
201417-3	10m	SMA	Female/Male	Black

<sup>1</sup> Peak Gain values measured on ground plane (excluding cable)

**CONTACT US**

**For more information about  
this product contact your  
sales representative or visit  
> [pctel.com/antenna-products](https://pctel.com/antenna-products)**

### **Solving Complex Wireless Challenges**

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