

AllDisc Small

Cellular Antenna

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



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

Features

- Cellular: 698-960MHz, 1710-2690MHz and 3400-3800MHz
- 5G ready
- IP6K9K class
- Cable approved according to ECE-R118
- Designed in Sweden with design registration

Applications

- Smart City
- Smart Metering
- EV charging poles
- Cargo/load handling
- Public safety
- Wireless broadband

Specifications

Electrical

Frequencies (2G/3G/4G/5G)	698-960MHz, 1710-2690MHz and 3400-3800MHz	
Impedance	50Ω	
Polarization	Vertical	
VSWR	698-880MHz	≤ 2:1
	880-960MHz	≤ 2.5:1
	1710-2690MHz	≤ 2.5:1
	3400-3800MHz	≤ 2.5:1
Gain, on ground plane (peak gain, excluding cable)	698-880MHz	4.5dBi
	880-960MHz	5dBi
	1710-1880MHz	5dBi
	1920-2170MHz	4.5dBi
	2500-2690MHz	3.5dBi
	3400-3800MHz	7dBi
Max power	10W	

Mechanical

Dimensions (D x H)	96 x 55mm	
Installation	Hole mount with center screw	
	Hole dimension Ø19mm	
	Installation thickness ≤ 8.5mm	
	Min. installation radius 1000mm Has to be mounted on a metal ground plane minimum size Ø25 cm.	
Cable	RG316, grey LSOH Other cable length upon request	
Connector	SMA-Male	Other connector type upon request
Weight	~150g	
Material	PC/PBT/Aluminum alloy	
Color	Black, White, Grey (RAL7035)	
IP class	IP6K9K	
Temperature	Storage / Operating:	-40°C to +85°C

Selection of Alldisc Combi versions

Part Number	Color	Cable length	Cable	Connector
710258	Black	0.5m	RG316 grey	SMA-Male
710255	Black	2.5m	RG316 grey	SMA-Male

Other

RoHS compliant

REACH compliant

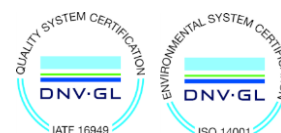
ECE-R118 compliant

Smarteq reserves the right to change specifications without prior notice

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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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AllDisc bracket



Slitted nut



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

Accessories

Part number

710452 Alldisc Bracket White

710598 Slitted nut

710206 Extension nut

Extension cables

Part number	Cable LL58	Connector	Gender	Color
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

Part number	Cable Low Loss	Connector	Gender	Color
707220	3m	SMA	Female/Male	Black
710298	5m	SMA	Female/Male	Black
707222	10m	SMA	Female/Male	Black