



AlIDisc

Cellular Antenna

AlIDisc 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 1710-2690MHz 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 3400-3800MHz	≤ 3.0:1 ≤ 3.0:1
Gain, on ground plane (peak gain, excluding cable)	698-960MHz	4.5dBi
	1710-1880MHz	5dBi
	1920-2170MHz	4.5dBi
	2500-2690MHz 3400-3800MHz	3.5dBi 7dBi
Gain, on non-conducting material (peak gain, excluding cable)	698-880MHz	1dBi
	880-960MHz	1.5dBi
	1710-1880MHz	4dBi
	1920-2170MHz	3dBi
	2500-2690MHz 3400-3800MHz	3dBi 6.5dBi
Max power	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.