

AlIDisc

Cellular Antenna



AlIDisc is a 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: 698-960MHz and 1710-2690MHz
- 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	
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
Gain, on ground plane (peak gain, excluding cable)	2500-2690MHz	≤ 3.0:1
	698-960MHz	4.5dBi
	1710-1880MHz	5dBi
	1920-2170MHz	4.5dBi
Gain, on non-conducting material (peak gain, excluding cable)	2500-2690MHz	3.5dBi
	698-880MHz	1dBi
	880-960MHz	1.5dBi
	1710-1880MHz	4dBi
	1920-2170MHz	3dBi
Max power	2500-2690MHz	3dBi
	10W	

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/Aluminium 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 compliant.

Smarteq reserves the right to change specifications without prior notice.