

AllDisc Combi GNSS

Combination Antenna



AllDisc Combi GNSS 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
GNSS: 1575.42MHz and 1598-1610MHz
- Discreet design with center screw installation
- IP6K9K class
- DC short
- Cable approved acc ECE-R118
- Verified according to VW test requirements
- Designed in Sweden with Design registration

Specifications

Electrical

Cellular

Frequencies	698-960MHz 1710-2690MHz	
Impedance	50Ω	
Polarization	Vertical	
VSWR	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
Gain, on non-conducting material (peak gain, excluding cable)	1920-2170MHz	4.5dBi
	2500-2690MHz	3.5dBi
	698-880MHz	1dBi
Gain, on non-conducting material (peak gain, excluding cable)	880-960MHz	1.5dBi
	1710-1880MHz	4dBi
	1920-2170MHz	3dBi
	2500-2690MHz	3dBi
Max power	10W	

SMARTEQ™
WIRELESS

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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GNSS

Frequencies	1575.42MHz 1598-1610MHz
Impedance	50Ω
Polarization	RHCP
VSWR	≤ 2.0:1
Gain Passive (peak gain)	-3.5dBic @ fc
Gain Active	30±2dB
Supply Voltage	2.8-5.5V
Current Consumption	15-25mA

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, brown 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 compliant.

Smarteq reserves the right to change specifications without prior notice.