

MiniBlade

Adhesive mounted WIFI 6E, CBRS, 5G antenna
2.4/3.5/5/6GHz



MiniBlade is an adhesive mounted omni-directional ultra-wideband antenna capable of supporting radio system operating in 2400 to 7200MHz spectrum. WiFi 6E, BT, V2X, 5G ready. It is the perfect choice for applications such as indoor WiFi coverage, internet onboard buses, EV-chargers and Wifi zones, Wifi supported devices. The superior RF performance enables high connectivity and throughput.

FEATURES

- WiFi 6E, BT, V2X, 5G
- 2400 - 7200MHz
- Easy installations with adhesive mount on glass or non-conductive surface
- Slim and flexible design made it suitable for curved surface mounting

MARKETS

- Automotive
- Gateway
- Off-road Vehicles
- Utilities and industrial control system, remote monitoring
- Internet On-board
- IoT

SPECIFICATIONS

ELECTRICAL*

RF data with the antenna mounted on plastic 5mm thick and 20cm long cable

Frequency Band [MHz]	2400-2485	3400-3800	4900-5950	5925-7125
VSWR	2:1	2:1	2:1	3:1
Efficiency (%)	79%	71%	64%	33%
3D Max Gain (dBi)	3.8dBi	5dBi	7dBi	5dBi
Impedance	50Ω			
Polarization	Linear			
Pattern Azimuth	Omni-directional			

MECHANICAL

Dimension (LxWxH)	55.6 x 23.6 x 6.6mm (incl. 1.1mm 3M adhesive)
Weight	~ 35g (incl. 1.5m cable with SMA connector)
Color	Black
Cable	RG316 LSOH
Cable length	See part number other length upon request
Connector	SMA(m) standard or upon request
Material	Dryflex, FR4
Installation	Adhesive mount on non-conductive surface
Temperature (storage/operating)	-40°C~ +85°C

OTHER

RoHS compliant

REACH compliant

ECE-R118 compliant

Part Number	Color	Cable	Cable length	Connector	Gender
710599	Black	RG316	1.5m	SMA	Male
710629	Black	RG316	0.5m	SMA	Male
710630	Black	RG316	0.2m	SMA	Male
710631	Black	RG316	0.5m	SMA-RP	Male

EXTENSION CABLES

Part number	Cable LL58	Connector	Gender	Cable Color
201417-1	3.0m	SMA	Female/Male	White
201417-2	5.0m	SMA	Female/Male	White
201417-3	10m	SMA	Female/Male	White
201417-7	5.0m	SMA	Female/Male	Black

Part number	Cable Low Loss	Connector	Gender	Cable Color
707220	3.0m	SMA	Female/Male	Black
710298	5.0m	SMA	Female/Male	Black
707222	10m	SMA	Female/Male	Black

Smarteq reserves the right to change specifications without prior notice.