

Frequency range(s)	450-480MHz
Gain Min*	0dBi ( $\approx$ -2dBd)
Gain Max*	2dBi ( $\approx$ 0dBd)
VSWR*	<2.5:1
Efficiency	Better than -4dB
Impedance	50 $\Omega$
Polarization	Vertical (if mounted vertically)
Antenna type	Wall mount patch
Radiation pattern	Omnidirectional in free space
Maximum power	5W
Cable**	Low loss AA100
Cable attenuation	<0.52dB/m @ 450MHz
Cable length**	1.5/3m
Cable color**	Grey
Connector**	SMA(m) Str., Fakra D(f) RA
Mounting***	Adhesive
Temperature range	-40°C to +85°C
Maximum humidity	RH 95% non condensing
Wind resistance	>150km/h
IP Class	IP66
IK Class	NA
UV resistance	>10 years
Product lifetime	>20years
Flammability	V0
Conformity	ROHS/CE/WEEE
Dimensions	205x49x37mm
Weight	150g
Color	Grey
Material	Steel and ABS

\* The total efficiency, gain and VSWR is depending on materials in the near field of the antenna and mounting surface. The values in the specification are typical values in free space

\*\* Other cable lengths and connector available on demand

\*\*\* Screw and magnet mount available

## Cable length, connector combinations:

60N-A015-AB-100	(1.5m cable, SMA(m) Str.)
60N-A030-AB-100	(3m cable, SMA(m) Str.)
60N-A015-AK-100	(1.5m cable, Fakra D(f) RA)
60N-A030-AK-100	(3m cable, Fakra D(f) RA)



### Mounting instructions

For screw mount: Mount the antenna with suitable screws with flat underside. Screws thicker than the mounting hole might damage the antenna.

For adhesive mount: Make sure the mounting area is clean

Note that the cable is sensible for squeezing and sharp bends. Minimum bending radius R10.

The antenna can be mounted directly on metal (like a metal cabinet), wooden and plastic surfaces and in free space on a pole.