ANT S.r.l.
Via della Concordia, 4 – 37036
S. Martino B/A (VR) - Italia
Tel. +39 045 8781380
Fax +39 045 8795335
e-mail: commerciale@antsrl.eu
www.antsrl.eu

DESCRIPTION

Low profile antenna
for vehicular or fixed applications in ranges 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM-GPRS 900/1800MHz, 3G-UMTS 2100MHz WiFi 2,4GHz, 4G-LTE / 5G (Banda 1, 2, 3, 5, 7, 8, 20, 28, 38), GPS-GNSS-GALILEO

BP-6 4G-LTE — P/N: B06-021
BP-6 4G-LTE / GPS-GNSS — P/N: C06-020
BP-6 4G-LTE / GPS-GNSS / WiFi — P/N: C06-015

ELECTRICAL DATA

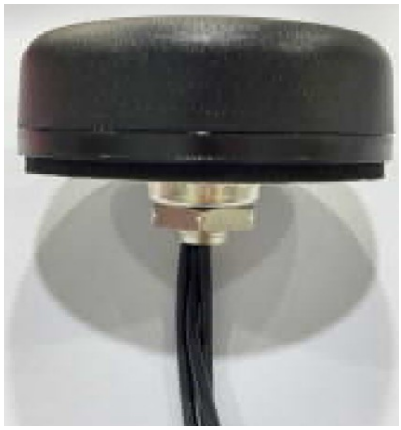
Frequency ranges (with V.S.W.R. < 2.5 : 1):	698-960/1710-2170/ 2400-2690
Impedance:	50 Ω
V.S.W.R. 698-960 MHz:	< 2.5 : 1
V.S.W.R. 1710-2170 MHz:	< 2 : 1
V.S.W.R. 2400-2690 MHz:	< 2 : 1
Max power:	20 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain 698-960 MHz:	> 0 dBi
Gain 1710-2170 MHz:	> 2.1 dBi
Gain 2400-2690 MHz:	> 2.1 dBi

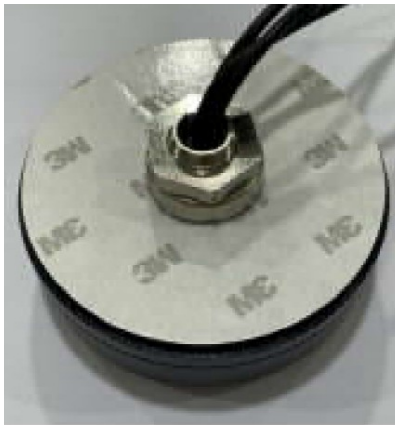
ELECTRICAL DATA GPS/GNSS

Frequency range:	GPS (1575.42 MHz) GLONASS (1602 MHz) GALILEO (1575.42 MHz)
Gain (Zenith)	1,5 dBi typical
Polarisation:	R.H.C.P
Impedance:	50 Ω
LNA Performances	
Gain:	about 25 dB typical
Noise factor:	about 1.5dB typical
V.S.W.R. (out)	about 2.5:1 typical
Power:	3V - 11 mA / 5.0V - 20 mA

MECHANICAL DATA

Dimensions (approx):	25xØ80 mm
Connection 4G-LTE:	SMA-M (other on request)
Connection GPS-GLSS:	SMA-M (other on request)
Connection WiFi:	SMA-M RP (other on request)
Cable 4G-LTE:	RG174 3m (other on request))
Cable GPS-GNSS:	RG174 3m (other on request)
Cable WiFi:	RG174 3m (other on request)
Operating temperature range:	-40° / +85C
Weight (only 4G-LTE):	0.150 kg (approx)
Weight (only 4G-LTE / GPS-GLSS):	0.200 kg (approx)
Weight (4G-LTE / GPS-GNSS / WiFi):	0.250 kg (approx)
Radome material:	ABS
Optional accessories:	Hardware for pole mounting, available on request.





Protection against oxidation: the antenna is designed to be able to withstand the worst climatic conditions and so that the oxidation of its parts is prevented: its parts are made of raw materials resistant to external environmental agents.
Protection against accidental hits: The antenna is designed s that persons are protected from accidental hits against its projecting parts.
RoHS Directive: The antenna complies with the RoHS Directive and its subsequent.

WARNING:
For a correct installation please make sure the antenna is not shielded by metallic walls
Its VSWR and gain performances depend strictly on the ground plane on which the antenna is installed.