

# T-BP642 Low Profile Antenna

GPS / WLAN / LTE

MOUNT TYPE	Low Profile Antenna with GPS, WLAN and UMTS
GPS/GNSS/GALILEO antenna part:	
ANTENNA TYPE	Active planar patch antenna
POLARISATION	RHC (Right Hand Circular)
FREQUENCY	1580 MHz $\pm$ 1,023 MHz
BANDWIDTH	$\pm$ 28 MHz
IMPEDANCE	Nom. 50 $\Omega$
VSWR	Less than 2.0
CURRENT ABSORTION	10 $\pm$ 1 mA at 2.7 V / 16 $\pm$ 1 mA at 5.0 V
GAIN AMPLIFIER	18 $\pm$ 1 mA at 2.7 V / 22 $\pm$ 1 mA at 5.0 V
GAIN PATCH ANT.	2 dB
NOISE FIG.	1.7-2.1 dB
POWER SUPPLY	2.7 $\div$ 5.1 V
WLAN antenna part:	
ANTENNA TYPE	1/4 I Antenna
POLARISATION	Vertical
EMISSION	Omnidirectional
FREQUENCY	1:2400-2485 MHz / 2:5250-5850 MHz
VSWR	1: Less than 2.0 / 2: Less than 3.0
IMPEDANCE	Nom. 50 $\Omega$
GAIN	2.14 dBi
MAX Power	10 W
ANTENNA PART:	1/4 I Antenna
POLARISATION	Vertical
FREQUENCY	LTE 1 : 690 $\div$ 960 MHz / 2 : 1710 $\div$ 2700 MHz
IMPEDANCE	Nom. 50 $\Omega$
VSWR	1 : Less than 3.0 / 2 : Less than 2.4
GAIN	3.5 dBi
EMMISSION	Omnidirectional
MAX POWER	100 Watt
MATERIALS Base:	Aluminium alloy ENAW-6082 Polycarbonate
Radome:	Polycarbonate
DIMENSIONS	106*160 mm
WEIGHT	1000 g
MOUNTING	According to FEDERTRASPORTI 00104/5
PROTECTION CLASS	IP68
TEMPERATURE	-40° - +80° C (GPS: -30° - +80° C)
CABLE / CONNECTOR	GPS: SMA (m) LTE: N (f) WLAN: TNC (m)

