

# 150 Shark Antenna

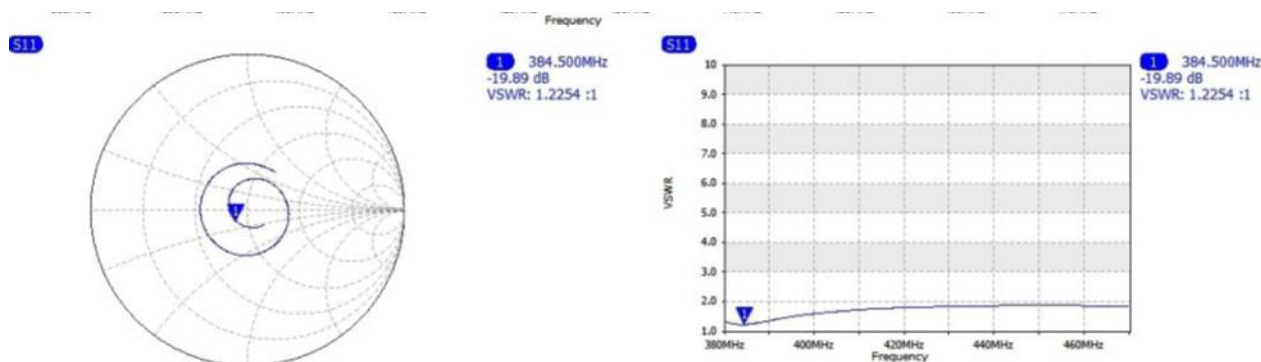
For VW/Skoda/Seat - TETRA / 5G / 2xWLAN-P and  
active GPS / GLONASS / GALILEO

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| ANTENNA TYPE                                                                                                                                                                             | Roof mounted camouflage shark antenna for new models of VW, Seat and Skoda. Integrated ½ Lambda TETRA, 5G, 2xWLAN-P and active GPS<br><br>* Design fits to all Volkswagen models and to other car manufacturer<br>* Groundfree; installation on plastic roofs possible<br>* Simple installation<br>* Full range of mobile frequencies up to 5G<br>* 2xWLAN-P<br>* NON-CORROSIVE |
| TETRA antenna part:<br>ANTENNA TYPE<br>POLARISATION<br>EMISSION<br>FREQUENCY<br>VSWR<br>IMPEDANCE<br>GAIN (dBi)<br>MAX POWER                                                             | Omnidirectional 1/2λ Mobile Antenna (inside)<br>Vertical<br>Omnidirectional<br>380-470 MHz<br>< 2.0 (see diagram)<br>Nom. 50 Ω<br>3.5 dBi<br>20 Watt                                                                                                                                                                                                                            |
| GPS antenna part:<br>ANTENNA TYPE<br>POLARISATION<br>FREQUENCY<br>BANDWIDTH<br>VSWR<br>IMPEDANCE<br>GAIN (LNA)<br>CURRENT ABSORPTION<br>GAIN PATCH ANTENNA<br>NOISE FIG.<br>POWER SUPPLY | Active ceramic patch antenna on PCB<br>RHC (Right Hand Circular)<br>1580 MHz<br>±28 MHz<br>< 2<br>Nom. 50 Ω<br>Nom. 26 dB ± 3 at 3.0 V<br>13 ±2 mA at 3.0 V<br>1 dB<br>1.5 dB<br>+ 3,0 - 5,5 VDC (10-30 mA)                                                                                                                                                                     |
| 5G Antenna:<br>FREQUENCY<br>IMPEDANCE<br>POLARISATION<br>GAIN (dBi)<br>VSWR<br>INSTALLATION CABLE                                                                                        | MHz: 617-960 / 1710-2700 / 3400-6000<br>Nom. 50 Ω<br>Vertical<br>5G 2 – 4.5 dB<br>See diagram<br>5.00m suggested                                                                                                                                                                                                                                                                |
| WLAN-P Antenna:<br>FREQUENCY<br>IMPEDANCE<br>POLARISATION<br>GAIN (dB)                                                                                                                   | 2400-2490 / 5200-7200 MHz<br>Nom. 50 Ω<br>Vertical<br>2 – 4 dB                                                                                                                                                                                                                                                                                                                  |

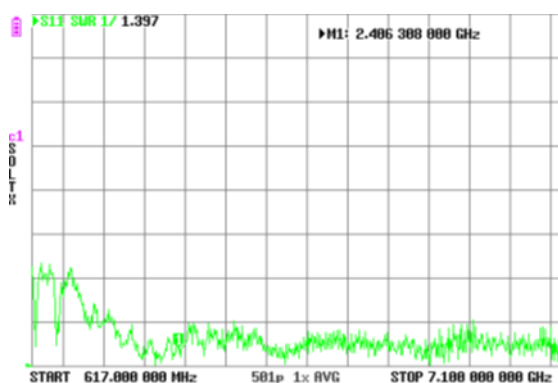
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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIMENSIONS               | 174 x 90 x 84 mm                                                                                                                                                                                        |
| HIGHT ABOVE ROOF         | Approx. 50 mm                                                                                                                                                                                           |
| MOUNTING HOLE            | Ø 19 mm                                                                                                                                                                                                 |
| MATERIALS                | Aluminium Alloy Nikel plated, Cover PA6 Gasket Arnitel TL380 and steel                                                                                                                                  |
| WEIGHT                   | 400 gr.                                                                                                                                                                                                 |
| BUILD-IN DEPTH           | Approx. 20 mm                                                                                                                                                                                           |
| TEMPERATURRANGE<br>(GPS) | -35°C - 85°C<br>-30°C - 80°C                                                                                                                                                                            |
| CABLE / CONNECTOR        | GPS: 0,30 m RG316 Fakra (m) C connector (blue)<br>5G: 0,30 m RG316 Fakra (m) D connector (red)<br>WLAN: 2x 0,30 m RG316 Fakra (m) I connector (beige)<br>Comm: 0,30 m RG316 Fakra (m) Z connector (uni) |



Tetra



5G/LTE



WLAN

