

# 190 Shark Antenna

For Ford Transit and VW T.7 Models - TETRA / 2x5G / WLAN and  
active GPS / GLONASS / GALILEO

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| ANTENNA TYPE  | <p>Roof mounted camouflage shark antenna for new models of Ford Transit and VW T7. Integrated <math>\frac{1}{4}</math> Lambda TETRA, 2x 5G-LTE, WLAN-P and active GPS</p> <ul style="list-style-type: none"> <li>* Design fits to all Ford Transit and Volkswagen T7 vans and could be used as a roof antenna to other car manufacturer</li> <li>* Replace the original antenna on the left front side</li> <li>* Simple installation</li> <li>* 2 x Full range of mobile frequencies up to 5G</li> <li>* WLAN</li> <li>* NON-CORROSIVE</li> </ul> |
| TETRA antenna part:<br>ANTENNA TYPE<br>POLARISATION<br>EMISSION<br>FREQUENCY<br>VSWR<br>IMPEDANCE<br>GAIN (dBi)<br>MAX POWER  | <p>PCB tuned omnidirectional <math>\frac{1}{4}\lambda</math> Mobile Antenna (inside)</p> <p>Vertical<br/>Omnidirectional<br/>380-410 MHz<br/>1.4 ÷ 2.9 see typical diagram with matching box<br/>Nom. 50 <math>\Omega</math><br/>2.1 dBi<br/>15 Watt</p>   |
| GPS antenna part:<br>ANTENNA TYPE<br>POLARISATION<br>FREQUENCY<br>BANDWIDTH<br>VSWR<br>IMPEDANCE<br>GAIN (LNA)<br>CURRENT ABSORTION<br>GAIN PATCH ANTENNA<br>NOISE FIG.<br>POWER SUPPLY | <p>Active ceramic patch antenna on PCB</p> <p>RHC (Right Hand Circular)<br/>1580 MHz<br/><math>\pm 28</math> MHz<br/>&lt; 2<br/>Nom. 50 <math>\Omega</math><br/>Nom. 26 dB <math>\pm 3</math> at 3.0 V<br/>13 <math>\pm 2</math> mA at 3.0 V<br/>1 dB<br/>&lt;1.5 dB<br/>+ 2,7 - 5,1 VDC (10-30 mA)</p>  |
| 2x 5G-LTE Antenna:<br>FREQUENCY<br>IMPEDANCE<br>POLARISATION<br>GAIN (dBi)<br>VSWR  | <p>MHz: 617-960 / 1710-2700 / 3000-7200</p> <p>Nom. 50 <math>\Omega</math><br/>Vertical<br/>2 – 4 dBi<br/>1.5 ÷ 6</p>  |
| WLAN Antenna:<br>FREQUENCY<br>IMPEDANCE<br>POLARISATION<br>GAIN (dBi)<br>VSWR   | <p>2400-2485 / 5250-5900 MHz</p> <p>Nom. 50 <math>\Omega</math><br/>Vertical<br/>4 - 2400 MHz<br/>5 - 5800 MHz<br/>2 ÷ 4 (see typical diagram)</p>   |

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| DIMENSIONS        | 205 x 90 x 40 mm   |
| MOUNTING          | On the roof  |
| MOUNTING HOLE     | Ø 19 mm  |
| MATERIALS         | PC - Asa   |
| COLOUR            | Black  |
| WEIGHT            | 440 gr.  |
| BUILD-IN DEPTH    | Approx. 20 mm  |
| TEMPERATURRANGE   | -30°C - 80°C   |
| CABLE / CONNECTOR | GPS: 0,30 m RG316 Fakra (m) C connector (blue)<br>2 x 5G: 0,30 m RG316 Fakra (m) D connector (red)<br>WLAN: 0,30 m RG316 Fakra (m) I connector (beige)<br>Comm: 0,30 m RG316 Fakra (m) Z connector (uni) |

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| CONNECTING CABLE TO FORD/VW | Serial 5G and WLAN: 2 x 0.50 m RG316 Fakra (fem) D and I to 4x Mini Fakra Connector |
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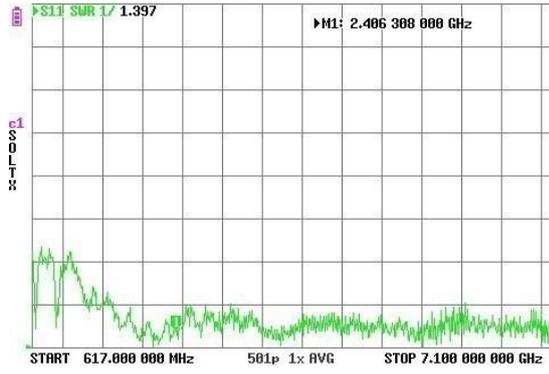


Tetra

Gain GPS/GLONASS/GALILEO



Curve 5G/LTE



SWR WLAN

