

Item no.: SHKG-6-60-TW

## SHKG-6-60-TW - 4G/5G MiMo Sharkee™ Antenna, OEM, 2x2 MiMo, GPS/GNSS, 3x3 MiMo WiFi

from **238,72 EUR**

Item no.: SHKG-6-60-TW  
shipping weight: 0.50 kg  
Manufacturer: Panorama Antennas



### Product Description

SHKG-6-60-TW - 4G/5G MiMo Sharkee™ Antenna, OEM, 2x2 MiMo, GPS/GNSS, 3x3 MiMo WiFi

The SHKG 'Sharkee' range has become a byword for industry leading technology in discrete OEM sharkfin housing. The SHKG-6-60 brings 5G capability to the product family. The antenna can be fitted on a metallic or non-metallic panel and still offer similar performance.

The OEM style shark fin housing contains a 2x2 MiMo antenna function for 4G/5G (617-960/1710-6000 MHz) and the option of 3x3 dual band WiFi which supports WiFi 6. An active antenna for GPS/GLONASS/Galileo/BeiDou is included with 26 dB gain LNA and advanced filtering for LTE band 13/14 operation.

The SHKG shark fin style design provides multiple antenna functions while remaining discreet and is suitable for public safety (overt/covert), industrial and transport applications where a cost effective, efficient, and robust antenna is essential. Requiring only a single hole mounting, the SHKG reduces vehicle damage, installation time and cost, as well as visual impact while protecting a vehicle's resale value.

#### Electrical Data

- Frequency range (MHz): Element 1: 1562-1612; Elements 2 & 3: 2x 617-960, 1710-6000; Elements 4, 5, 6 & 7: 3x 2.4/5.0/7.1 GHz
- Peak gain (isotropic): Elements 2 & 3: 5 dBi (617-960 MHz), 8 dBi (1710-3800 MHz), 9 dBi (4900-6000 MHz); Elements 4, 5, 6 & 7: 5 dBi (2396-2485 MHz); 11 dBi (4900-7200 MHz)
- Isolation: 4G/5G: >12 dB; WiFi: >15 dB
- Typical efficiency w/o cable loss: Elements 2 & 3: >40 % (617-698 Mz), >60 % (698-960/1710-6000 MHz)
- Correlation co-efficient: Elements 2 & 3: <0.2
- Polarization: Vertical
- Pattern: Omni-directional
- Impedance: 50Ω
- Max. input power (W): 10

#### GPS / GNSS Data

- Frequency range (MHz): 1562-1612
- VSWR: <2: 1
- Gain (LNA): 26 dB
- Polarization: Right hand circular
- Out-of-band rejection: >40 dB (+/- 100 MHz f); Notch filter @ 787 MHz - 23 dB
- Operating voltage: 3-5 V DC (fed via coax)
- Current: <20 mA

#### Mechanical Data

- Dimensions (mm), installed: Total height 90 (3.54"); Length: 243 (9.56"); Width: 63 (2.48")
- Operating temperature (° C): -40/+ 80 (-40°F/176°F)
- Material: ASA, silicone rubber, aluminum alloy
- Color: Black
- Ingress protection: IP66

#### Mounting Info

- Fixing: Panel mount
- Hole size (mm): 19 (3/4")

#### Cable Data

- Cable type - all feeds: FR RG174 (UN ECE R 118 compliant)
- Dimensions (mm): Diameter: 2.8 (0.11"); Length: 300 mm (12")
- Connector: GPS/GNSS: FME (f); 4G/5G: 2x SMA plug; WiFi: 3x SMA (f)

## Specifications

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