

## TETRASAT® UNI (5V)

### Roof-mounted 4-band antenna base with tilt option and integrated active GPS and GSM dual-band antennas

Roof mounted universal 4-band antenna base with tilt option and built-in active GPS and GSM/GPRS antennas. The base accepts mobile antenna whips (0-1000 MHz) with external M5 threaded stud or internal M6 thread (by use of the supplied M5/M6 threaded adapter)

- TILTABLE WHIP OPTION
- FOR NAVIGATION AND TRACKING
- LOW PROFILE DESIGN
- NON-CORROSIVE



Electrical Specifications:

|                              |  |
|------------------------------|--|
| Frequency                    | 870 - 960 MHz, 1710 - 1880 MHz, 0 - 1000 MHz |
| Satellite System             | GPS (1575.42 MHz)                            |
| Impedance                    | 50 ohm (All)                                 |
| Polarisation                 | GSM: Linear, GPS: RHC (Right Hand Circular)  |
| Bandwidth                    | See "FREQUENCY"                              |
| VSWR                         | < 2 (GSM)                                    |
| LNA Gain                     | 26 dB (GPS)                                  |
| Noise Figure                 | 1.35 dB (GPS)                                |
| Supply voltage               | 3 - 5.5 V DC (Fed via cable)(GPS)            |
| Current consumption, average | 20 mA (GPS)                                  |



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**Mechanical Specifications:**

|                       |  |
|-----------------------|--|
| Color                 | Black  |
| Weight                | 150 g  |
| Mounting              | Bolt-on (From inside only)                         |
| Materials             | ABS, POM, PE, PTFE, PCB, brass and stainless steel |
| Operating temperature | -40C to +70C                                       |
| Connector 1           | GPS: SMA-female (Blue)                             |
| Connector 2           | GSM: SMA-female (Red)                              |
| Connector 3           | External antenna: FME-male (Black)                 |
| Cable                 | 210 mm, 170 mm and 130 mm                          |
| Mounting place        | On horizontal surface                              |
| Mounting Instruction  | Unobstructed view to satellites                    |
| Dimensions            | 94 x 56 mm   |
| Height above roof     | 45 mm  |
| Mounting hole         | 14-22 mm   |
| Build-in depth        | Approx. 10 mm                                      |
| Ingress Protection    | IP65 (When mounted)                                |

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**Ordering information:**

|          |                         |
|----------|-------------------------|
| Part no. | G40630                  |
| Part no. | G40630IP (Bulk packing) |

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**Packing information:**

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|---------|-----------------|
| Packing | Polybag or bulk |
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## Outline Drawing



