



## Technical specification – Interior Antenna

Note: The specifications are subject to change without notices.

| 24380-03 Interior Antenna |                                                |                     |           |
|---------------------------|------------------------------------------------|---------------------|-----------|
| Mounting Type             | Adhesive Mount                                 |                     |           |
| Dimensions (mm)           | 161 x 76.5 × 16                                |                     |           |
| Radome                    | PC/ABS UV Stable                               |                     |           |
| Radome color              | Black                                          |                     |           |
| Operating Temperature (C) | -40 to +85                                     |                     |           |
| Storage Temperature (C)   | -40 to +85                                     |                     |           |
| Substance Compliance      | RoHS                                           |                     |           |
| Certificates              | IP67                                           |                     |           |
| Cable 1                   |                                                |                     |           |
| Parameters                | CELLULAR / LTE Antenna                         |                     |           |
| Standards                 | 2G,3G and 4G                                   |                     |           |
| Band (MHz)                | 700/850/900                                    | 1700/1800/1900/2100 | 2600      |
| Frequency (MHz)           | 698-960                                        | 1710-2170           | 2500-2700 |
| Return Loss (dB)          | ~-9.8                                          | ~-19.3              | ~-12.1    |
| VSWR                      | ~2.2:1                                         | ~1.3:1              | ~1.7:1    |
| Efficiency (%)            | ~72                                            | ~71                 | ~71       |
| Peak Gain (dBi)           | ~3.1                                           | ~4.1                | ~3.7      |
| Average Gain (dB)         | ~-1.6                                          | ~-1.5               | ~-1.5     |
| Impedance (Ohm)           | 50                                             |                     |           |
| Polarisation              | Linear                                         |                     |           |
| Radiation Pattern         | Omni-Directional                               |                     |           |
| Max. Input Power (W)      | 35                                             |                     |           |
| Connector Type            | SMA-Male Standard (Other Connectors Available) |                     |           |
| Cable Length              | 300 cm Standard (Any Cable Length Available)   |                     |           |
| Cable Type                | LMR195 Standard (Other Cables Available)       |                     |           |
| Cable 2                   |                                                |                     |           |
| Parameters                | GPS/GLONASS Antenna                            |                     |           |
| Standard                  | GPS/QZSS/Galileo                               | GLONASS             |           |
| Band (MHz)                | 1575                                           | 1602                |           |
| Frequency(MHz)            | 1575.42                                        | 1598-1610           |           |
| Return Loss (dB)          | <=-14 dB                                       |                     |           |
| VSWR                      | <=1.5:1 dB                                     |                     |           |
| Impedance                 | 50                                             |                     |           |
| Radiation Pattern         | Hemispherical                                  |                     |           |
| Polarization              | RHCP                                           |                     |           |
| Saw Filter                | post-filter                                    |                     |           |
| Active Gain (dB)          | 23 @ 3 V, 24 @ 5 V                             |                     |           |
| Noise Figure (dB)         | 1.2                                            |                     |           |
| Voltage (V)               | 2.7 – 5.5                                      |                     |           |
| Current (mA)              | 15 - 25                                        |                     |           |
| Power Consumption (mW)    | 40.5 – 137.5                                   |                     |           |
| Connector Type            | SMA-Male Standard (Other Connectors Available) |                     |           |
| Cable Length              | 300 cm Standard (Any Cable Length Available)   |                     |           |
| Cable Type                | RG174 Standard (Other Cables Available)        |                     |           |