|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Length** | | | **Width** | | | **Height** | | |
|  | **Actual** | **Additional** | **Total** | **Actual** | **Additional** | **Total** | **Actual** | **Additional** | **Total** |
| Battery | 37.00mm | 1.00mm (on back), 2mm (on front; for wires) | **40.00mm** | 25.50mm | 2 x 1.00mm (on both side) | **27.50mm** | 5.20mm | 0.8mm (electrical tape + buffer) | **6.00mm** |
| Board | 53.00mm | 1.00mm (on back), 1mm (on front) | **55.00mm** | 24.00mm | 2 x 1.00mm (on both side) | **26.00mm** | 1.60mm | 1.40mm (electrical tape + board components + buffer) | **3.00mm** |
| GPS – Board | 35.00mm | 1.00mm (on back), 5.50mm (on front; connector, wires, & 1mm buffer) | **41.50mm** | 8.00mm | 2 x 1.00mm (on both side) | **10.00mm** | 1.60mm | 0.40mm (buffer) | **2.00mm** |
| GPS - Antenna | 20.50mm | -1.00mm offset from back; 1.00mm (on back), 1mm (on front) | **22.50mm** | 6.20mm | 2 x 1.00mm (on both side) | **8.20mm** | 4.20mm | 1mm (on top only) | **5.20mm** |
| GPS - Connector | 4.50mm | 1.00mm (on back), 5.50mm (on front; for connector + wires) | **11.00mm** | 8.00mm | 2 x 1.00mm (on both side) | **10.00mm** | 3.00mm | 1mm (on top only) | **4.00mm** |
| **Case - Top** | 5.00 + 1.00 + 53.00 + 1.00 + 5.00 | | **65.00mm** | 2.00 (buffer) + 4.00 (screw head) + 2.00 (buffer) + 1.00 + 25.5 (board)+ 1.00 + 2.00 + 4.00 + 2.00 | | **43.5mm** | 3.00 + 2.00 + 5.20 (+0.80 on top; for GPS antenna) | | **11.00mm** |
| **Case - Bottom** | 5.00 + 1.00 + 53.00 + 1.00 + 5.00 | | **65.00mm** | 5.00 + 1.00 + 25.50 + 1.00 + 5.00 | | **41.50mm** | 6.00 + 5.00 | | **11.00mm** |
| **Total** | **65.00mm** | | | **41.50mm** | | | 11.00 + 11.00 | | **22.00mm** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Diameter | Length | Width | Height | Fillet |
| Screw - Head | 5mm | 2mm | NA | NA | NA |
| Screw - Body | 3mm | (head\_length - 10.20mm) (top) + (6mm (bottom) | NA | NA | NA |
| Lip – Grove |  |  | 2mm | 2mm | NA |
| Lip - Overhang |  |  | 2mm | 2mm | NA |
| End – Front |  |  |  |  |  |
| End - Back |  |  |  |  |  |
| Side Protrusions | NA | 10.00mm | 10.00mm | 5.00mm |  |

|  |
| --- |
| **Notes:**   * Components will be wrapped in (white) electrical tap * Other then the GPS antenna , everything is symmetrical * Minimum wall size of 2mm (for the most part) |