

# QZG1256g0

## Quad Band Multi GNSS Antenna

- ▽Signal : GPS(L1,L2,L5),GLONASS(L1,L2,L3),Galileo(E1,E5,E6)  
BeiDou(B1,B2,B3),QZSS(L1,L2,L5,L6)
- ▽Size : φ160.0mm × 60.0mm
- ▽Weight : ≤500g
- ▽Connector : Waterproof Connector  
(TNC-Female Compatible)
- ▽Mounting : 5/8-11 UNC-2B



### QZ Series

#### GNSS ANTENNA + Receiver Unit LINEUP

| Model    | GNSS Signal |    |    |      |         |    |    |         |     |     |    |        |     |     |    |       |      |    |
|----------|-------------|----|----|------|---------|----|----|---------|-----|-----|----|--------|-----|-----|----|-------|------|----|
|          | GPS/QZSS    |    |    | QZSS | GLONASS |    |    | Galileo |     |     |    | BeiDou |     |     |    | IRNSS | SBAS |    |
|          | L1          | L2 | L5 | L6   | L1      | L2 | L3 | E1      | E5a | E5b | E6 | B1     | B2a | B2I | B3 | L5    | L1   | L5 |
| RJF9P2   | ○           | ○  |    |      | ○       | ○  |    | ○       |     | ○   |    | ○      |     | ○   |    |       | ○    |    |
| RJX5(ES) | ○           | ○  | ○  |      | ○       | ○  | ○  | ○       | ○   | ○   |    | ○      | ○   | ○   |    | ○     | ○    | ○  |

#### GNSS ANTENNA LINEUP

| Model     | GNSS Signal |    |    |      |         |    |    |         |     |     |    |        |     |     |    |       |      |    |
|-----------|-------------|----|----|------|---------|----|----|---------|-----|-----|----|--------|-----|-----|----|-------|------|----|
|           | GPS/QZSS    |    |    | QZSS | GLONASS |    |    | Galileo |     |     |    | BeiDou |     |     |    | IRNSS | SBAS |    |
|           | L1          | L2 | L5 | L6   | L1      | L2 | L3 | E1      | E5a | E5b | E6 | B1     | B2a | B2I | B3 | L5    | L1   | L5 |
| QZG1aD    | ○           |    |    |      | ○       |    |    | ○       |     |     |    | ○      |     |     |    |       | ○    |    |
| QZG12aQ   | ○           | ○  |    |      | ○       | ○  |    | ○       |     | ○   |    | ○      |     | ○   |    |       | ○    |    |
| QZG12fQ   | ○           | ○  |    |      | ○       | ○  |    | ○       |     | ○   |    | ○      |     | ○   |    |       | ○    |    |
| QZG1256fQ | ○           | ○  | ○  | ○    | ○       | ○  | ○  | ○       | ○   | ○   | ○  | ○      | ○   | ○   | ○  | ○     | ○    | ○  |
| QZG1256gO | ○           | ○  | ○  | ○    | ○       | ○  | ○  | ○       | ○   | ○   | ○  | ○      | ○   | ○   | ○  | ○     | ○    | ○  |



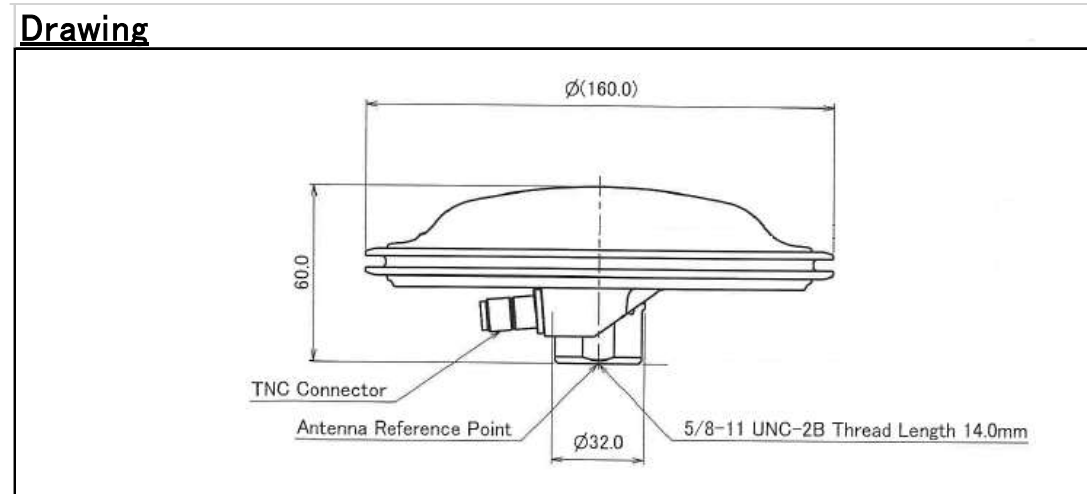
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| Signal |         |             |
|--------|---------|-------------|
| Band   | GPS     | L1,L2,L5    |
|        | GLONASS | L1,L2,L3    |
|        | Galileo | E1,E5,E6    |
|        | BeiDou  | B1,B2,B3    |
|        | QZSS    | L1,L2,L5,L6 |
|        | IRNSS   | L5          |
|        | SBAS    | L1,L5       |

| Electrical            |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| Antenna Gain (Zenith) | $\leq 4.0\text{dBic}$                                                        |
| LNA Gain              | $\leq 35\text{dB}$                                                           |
| Bandwidth             | 1588 $\pm$ 30MHz typical<br>1225 $\pm$ 60MHz typical                         |
| Out of Band Rejection | 1588 $\pm$ 100MHz $\geq 50\text{dB}$<br>1225 $\pm$ 120MHz $\geq 50\text{dB}$ |
| VSWR                  | $\leq 2.0$                                                                   |
| Noise Figure          | $\leq 2.0\text{dB}$                                                          |
| Voltage               | +3.0 $\sim$ +12.0VDC                                                         |
| Current               | $\leq 35\text{mA}$                                                           |

| Mechanical |                                            |
|------------|--------------------------------------------|
| Dimensions | $\phi 160.0\text{mm} \times 60.0\text{mm}$ |
| Connector  | QTNC-J(TNC-J Compatible )                  |
| Weight     | $\leq 500\text{g}$                         |
| Mounting   | 5/8-11UNC-2B                               |

| Environmental |                                            |
|---------------|--------------------------------------------|
| Temperature   | -40 $\sim$ +80 $^{\circ}\text{C}$          |
| Vibration     | 3 axis、sweep=15min<br>10 to 200Hz sweep:3G |
| Shock         | Vertical axis:50G、other axes:30G           |
| Waterproofing | JIS C 0920 IP67                            |
| Salt Fog      | MIL-STD-810F Section 509.4                 |





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