

QZG12fQ

Dual Band Multi GNSS Antenna

- ▽Signal : GPS/QZSS(L1,L2),GLONASS(L1,L2),Galileo(E1,E5b)
BeiDou(B1,B2b/B2I)
- ▽Size : φ140.0mm × 46.5mm
- ▽Weight : ≤270g
- ▽Connector : Waterproof Connector
(TNC-Female Compatible)
- ▽Mounting : 5/8-11UNC-2B



QZ Series

GNSS ANTENNA LINEUP

Model	GNSS Signal															
	GPS/QZSS			QZSS	GLONASS			Galileo				BeiDou				SBAS
	L1	L2	L5	L6	L1	L2	L3	E1	E5a	E5b	E6	B1	B2a	B2b/B2I	B3	L1
QZG1a	○				○			○				○				○
QZG1aD	○				○			○				○				○
QZG12aQ	○	○			○	○		○		○		○		○		○
QZG12fQ	○	○			○	○		○		○		○		○		○
QZG15 (ES)	○		○					○	○			○	○			○
QZG1256fQ (ES)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

GNSS ANTENNA + Receiver Unit LINEUP

Model	GNSS Signal															
	GPS/QZSS			QZSS	GLONASS			Galileo				BeiDou				SBAS
	L1	L2	L5	L6	L1	L2	L3	E1	E5a	E5b	E6	B1	B2a	B2b/B2I	B3	L1
RJF9P2	○	○			○	○		○		○		○		○		○

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Signal

Band	GPS	L1,L2
	QZSS	L1,L2
	GLONASS	L1,L2
	Galileo	E1,E5b
	BeiDou	B1,B2b/B2I
	SBAS	L1

Electrical

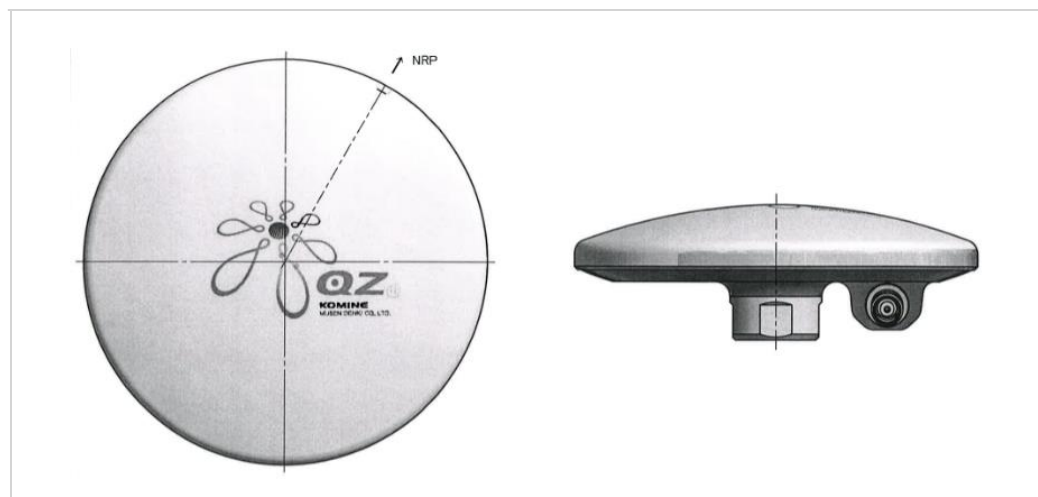
Antenna Gain (Zenith)	$\leq 4.0\text{dBic}$
LNA Gain	$\leq 35\text{dB}$
Bandwidth	1590 $\pm$ 30MHz typical 1238 $\pm$ 40MHz typical
Out of Band Rejection	1590 $\pm$ 100MHz $\geq 50\text{dB}$ 1238 $\pm$ 120MHz $\geq 50\text{dB}$
Noise Figure	$\leq 2.0\text{dB}$
Voltage	+3.0 $\sim$ +12.0VDC
Current	$\leq 35\text{mA}$
VSWR	≤ 2.0

Mechanical

Dimensions	$\phi 140.0\text{mm} \times 46.5\text{mm}$
Connector	QTNC Female (TNC Compatible)
Weight	$\leq 270\text{g}$
Mounting	5/8-11UNC-2B

Environmental

Temperature	-40 $\sim$ +85 $^{\circ}\text{C}$
Vibration	3 axis, sweep=15min 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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