

Specifications

Trimble GA830 Antenna



Trimble GA830

Frequencies

GPS/QZSS/SBAS L1, BDS B1, 1551-1585 MHz
GLN G1, 1590-1607 MHz
GPS/QZSS L2, GLN G2, 1217-1252 MHz
GPS/QZSS/SBAS L5, GAL E5, BDS B2, 1160-1214 MHz
GAL E6, QZSS LEX, 1260-1300 MHz
MSS (MarineSTAR, RTX), 1525-1559 MHz
MSK, 283.5-325.0 kHz

Signal Tracking

GNSS, MSS (MarineSTAR, RTX), MSK Beacon, SBAS

Dimensions

Additional high rejection filtering 1614 – 1624 MHz
to protect from Iridium transmissions
diameter 14.9 cm x 9.9 cm H
(diameter 5.87" x 3.89" H)

Weight

0.82 kg (1.8 lb)

Antenna cable connector

TNC sealed

Mounting

5/8"-11 UNC thread mount
3 x M8 threaded hole surface mount

Operating temperature

-40 °C to +70 °C
(-40 °F to 158 °F)

Storage temperature

-55 °C to +85 °C
(-67 °F to 185 °F)

Environmental

Shock: 75 Gs, 6 ms duration, 3 shocks in mutually perpendicular axes
2m pole drop, 1m handling drop
Vibration: 9.8 gRMS, 24-2000 Hz
Buoyant

Humidity

100% humidity proof, fully sealed

Feed

2 point

LNA(Low Noise Amplifier) input

5.5 VDC – 18 VDC (110 mA) switchable

LNA(Low Noise Amplifier) gain

L1 45 dB / L2 45 dB

Power handling

110 mA Max

Antenna compliance

CE Mark, C-Tick, EN60945

Phase stability

<5 mm

L1, Antenna Phase Centre (APC)

0.0885m above bottom of the antenna mount

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Notes:

Specifications subject to change without notice.

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