

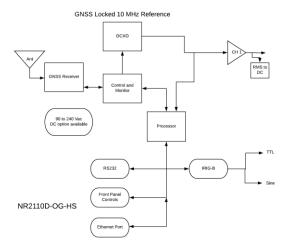
| Company Datasheet # | NR2110D-O-G- HS | |
|---------------------|--------------------|--|
| Revision #: | A | |
| Date: | 112320 | |

NR2110D-O-G-HS

10MHz, High Stability GNSS Locked Reference with Networking







All channels are monitored for a fault condition and built in test monitors critical circuits which drives panel indicators as well as alarm relay that can be wired into an alarm panel. Dual time base option independently monitors frequency.

Networking

SNMP

Phase Noise

Offset Frequency (Hz)
Typical (dBc / Hz)
10 -130
100 -155
1K -157
10k -160



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Technical Specifications

| 10 MHz,1.0 Vrms ±0.2, into 50 Ohms,Sine | | |
|---|--|--|
| < -30 dBc | | |
| ± 50 ppb (unlocked) | | |
| ± 10ppb unlocked | | |
| ± 5 ppb/day unlocked | | |
| ± 50 ppb unlocked | | |
| < 7E-12 @1000 seconds | | |
| | | |
| 3.3 Vdc CMOS (5 Vdc option) | | |
| Programmable 1 to 500ms in 1 ms steps | | |
| <10 ns (faster edge available) | | |
| Pulse to pulse- 1 ns 1 sigma | | |
| BNC | | |
| 50 Ohm | | |
| rear | | |
| | | |
| RS232 NMEA-0183 | | |
| DB-9 | | |
| Rear panel | | |
| Bit plus stop | | |
| Selectable 4800, 9600, 19200, 38400, 57600 or 115200 bps | | |
| | | |
| Internat | | |
| Internet Control of the land of the control of the | | |
| Output amplitude, all power supplies, GNSS lock status, number of | | |
| satellites, Built-In test status, | | |
| English format | | |
| Liigiisii ioiiiiat | | |
| Updated every second | | |
| RJ-11 | | |
| | | |
| | | |
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| GNSS receiver | GPS, BeiDou, Galileo, and GLONASS | |
|-----------------------|--|--|
| | | |
| Sensitivity | | |
| Tracking and Nav | -167dBm | |
| Reacquisition | -160 dBm | |
| Cold Start | -148 dBm | |
| Hot Start | -157 dBm | |
| Antenna with LNA | | |
| Antenna power | 3.5 Vdc, < 35 ma (on center conductor) (factory configurable to 5 Vdc) | |
| Frequency | 1574-1607 MHz | |
| Nominal Gain | 2 dBic | |
| Amplifier gain | 26 dB | |
| Noise Figure | < 2.0 dB | |
| Out of Band rejection | Fo±50MHz=60 dBc, Fo±60 MHz | |
| DC current | <25 ma@3.5 Vdc | |

Environmental and Mechanical

| Operating temperature | 0 to 50C non-condensing |
|-----------------------|--|
| Storage temperature | -40 to 70C |
| Height | 1RU (~1.73) |
| Width | 19 inch |
| Depth | 12 inch |
| AC input | 90 to 250 VAC, 50/60hz, less than 10 watts |
| Weight | ≈5.5lbs |

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