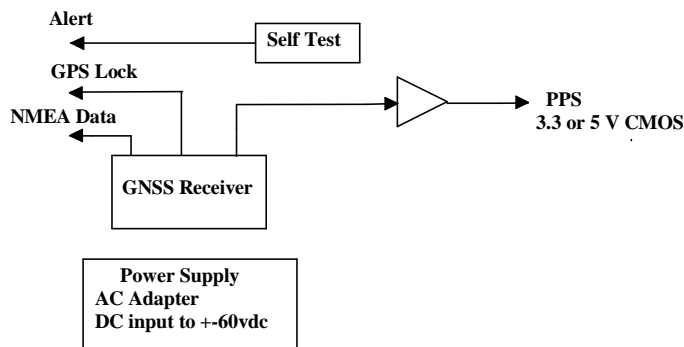


Company Datasheet #	NR3700-G-PPS
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Date:	2-20-17

NR3700-G- PPS

NMEA- PPS Source

KEY FEATURES



A compact, low cost source for NMEA and PPS when a 10 MHz reference is not required. 26 Channel GNSS receiver acquires quickly and operates well in weak signal environments. RS232 port provides NMEA and access to the receiver to program cable length compensation, NMEA message content and related receiver attributes. Built-in test drives an LED and relay contacts for system integration. The can operate from DC power from -60 Vdc to +60 Vdc- in three ranges. Power converter provides electrical isolation from the power source to the output (configuration option). Unit is available in a kit that includes the unit, antenna, power supply and cable to connect the antenna to the unit.

Product Highlights



High Sensitivity GPS Receiver

The 26 channel high-sensitivity, high-accuracy Multi-GNSS receiver. Supports TRAIM, GPS, GLONASS, QZSS, SBAS, Active Anti-Jamming and Advanced Multipath Mitigation Functions

Wide Power Operating Range

Operates from -60 to +60 vdc in three ranges

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Technical specifications

Receiver sensitivity	-155dBm, antenna power 3.5 Vdc < 30ma
PPS	15ns(1σ) (@-130 dBm) 50ns(1σ) (@-150 dBm) RMS accuracy, 3.3 volt logic, output impedance CMOS (±20ma)
Power Requirements	Three ranges ± (9 to 18, 18 to 36, 36 to 65) Vdc (ac adapter available) Power converter can be configured to provide > 500 volts isolation)
Connectors	BNC-1 PPS
	4 pin terminal block ((Digikey 277-2419-ND (ships with mate (Digikey 277-2418)-ND (reverse polarity operational)
NMEA (optional)	NMEA-0183 at full rs232 levels.

Environmental and Mechanical

Operating temperature	0 to 50C non-condensing (extended temperature range available)
Storage temperature	-40 to 70C
Width	3.5 inch (with flange)
Depth	4 inch
Height	1.2 in
Weight	~8 oz

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