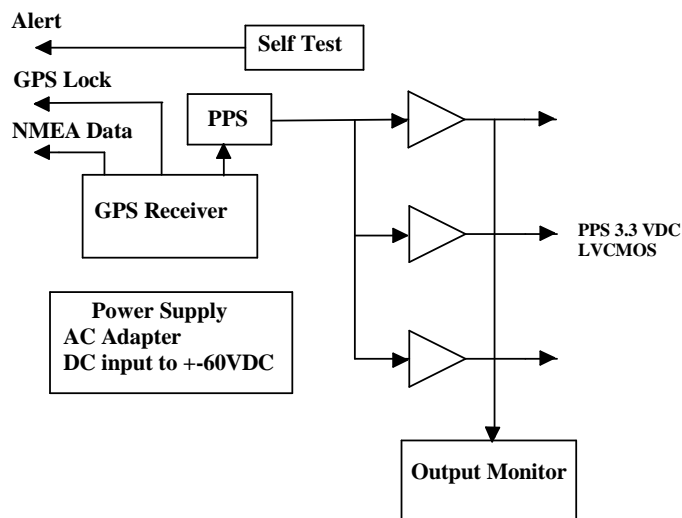


NR3623-PPS

Three Output GNSS PPS/NMEA Source

KEY FEATURES



The signal source is a GNSS 26 channel receiver providing a PPS pulse with an accuracy of 20 ns @ -130 dBm. The unit can be operated from an AC power adapter or -60 to +60 VDC in three separate power ranges. There is extensive built-in test that drives an LED and relay contacts for system integration. There is also a GPS lock status signal (and LED) and a serial port to provide access to NMEA time stamp data. Power converter provides electrical isolation from the power source to the output (configuration option). Available in a kit that includes the NR3623-PPS, antenna, power supply and cable to connect the antenna to the unit.

Product Highlights



High Sensitivity GNSS 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.

Three Output Protected Outputs

3.3 VDC LVCMOS with programmable cable delay compensation.

Company Datasheet #	NR3623-PPS
Revision #:	B
Date:	9-15-15

Technical specifications

PPS 3.3 LVCMOS	3 BNC connectors on the front panel	
Receiver sensitivity	-155dBm	
PPS	20ns(1 σ) (@-130 dBm) accuracy, 3.3 volt logic, output impedance CMOS (\pm 20ma)	
Power Requirements	Three ranges \pm (9 to 18, 18 to 36, 36 to 65) Vdc (AC adapter available) Power converter can be configured to provide > 500 volts isolation)	
Connectors	Power/Alert mate TE Connectivity- 106527-4 (unit comes with mate)	

Environmental and Mechanical

Operating temperature	0 to 50C non-condensing (extended temperature range available)	
Storage temperature	-40 to 70C	
Width	5 " (exclusive of connectors)	
Depth	6.4 "	
Height	1.5 "	
Weight	~16 oz	

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