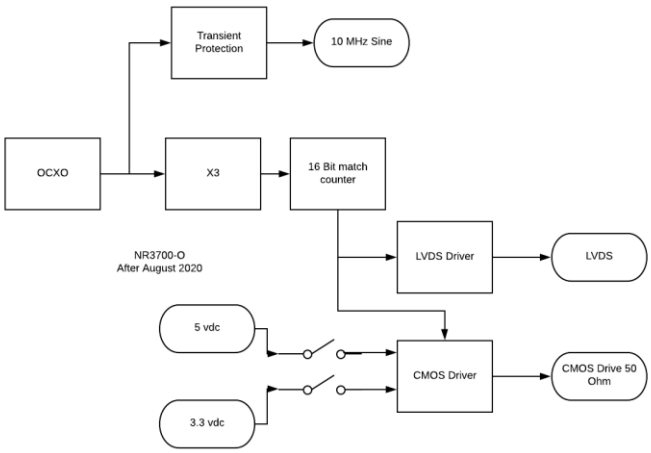
Company Datasheet #	NR3700-PPS
Revision #:	A
Date:	111020

NR3700-PPS

PPS Source

KEY FEATURES



The NR6720-PPS generates a PPS pulse that originates from a high stability OCXO. That pulse is then processed and is output through a high current buffer allowing the driving of a 50 Ohm load. The output voltage levels can be factory set to 3.3 or 5 Vdc CMOS. The PPS pulse width can be set in 1 usec increments to 500ms.

Unit can be operated in one of three ranges from -60 to +60 VDC or a AC power adapter sold as an accessory.

Built-in-test that drives an LED and relay contacts for system integration.

Product Highlights

Programable Pulse Width

Programmable to 500ms in 1 usec steps.

Operates from -60 to +60 Vdc

Three ranges or an AC power adapter

PPS drives 50 Ohm loads

Programmable to 500ms in 1 usec steps.

CMOS and LVDS Outputs

Technical specifications

Output PPS	1 Hz, 5 or 3.3 Volt CMOS Levels into 50 Ohms (other frequencies available)
Output LVDS	LVDS into 100 ohms
Optional Sine	0.5 Vrms optional 10 MHz Sine
Accuracy	Factory ship +-10ppb
Pulse width	Programmable to 500ms in 1 msec steps
Connectors	SMA 10 MHz output (optional)
	SMA PPS 3.3 Vdc CMOS
	3 pin LVDS connector, +,-, gnd , mates with ON Shore OSTTJ0311530
Power requirements	Standard configuration is 12 VDC (9 to 15 VDC) Options- ±24VDC (20 to 30 VDC), ±48 VDC (40 to 60 VDC) AC Adapter available 100 to 240VAC, 50/60Hz Power 3W normal operating (5W peak) Power isolation exceeds 200 VAC
Connectors	
	4-pin power con - power in, status relay connector- Digikey 277-2418-ND (mate provided with unit) For AC adapter use: the adapter comes with a threaded connector

Environmental and Mechanical

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

This document is copyright © November 10, 2020 Novus Power Products LLC. All rights reserved. This document is provided for information purposes only; contents are subject to change without notice. It is not warranted to be error-free, nor subject to any other warranties or conditions including implied warranties and conditions of merchantability or fitness for a particular purpose.