

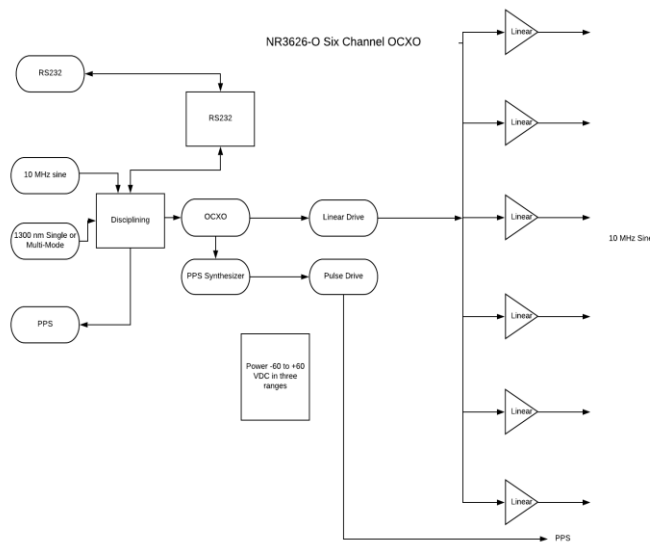
DATA SHEET	NR3626-O
REVISION	B
DATE	062221

NR3626-O

Six-Channel, Low Noise 10 MHz OCXO

With External Synchronization Capability to PPS or 10 MHz

KEY FEATURES



The NR3626-O is a high performance 10 MHz OCXO based reference. Optionally the unit can lock to an external PPS or 10 MHz external source. The 10 MHz outputs are 13 dBm while the synthesized PPS output can be 5 or 3.3 Volt logic levels with the capability of driving a 50 Ohm load. Equipment status is available thru indicators and the RS232 port.

Product Highlights



Six Channels

Six transient and fault protected channels.

External Locking Capability

Locks to PPS or 10 MHz rf

Low Phase Noise

Phase Noise	
Offset	dBc/Hz
10	-125
100	-140
1K	-145
10K	-150

Technical Specifications

10MHz sine	13 ±2 dBm ,50 Ohm BNC
Harmonics	Less than -30 dBc
First year frequency stability	±50 ppb
Temperature stability	±10 ppb
PPS	Programmable Pulse width in 1 ms steps 3.3 or 5 Vdc CMOS with 50 Ohm drive capability.
Power requirements	Standard configuration is 12VDC (9 to 15VDC) Options- ±24VDC (20 to 30VDC), ±48VDC (40 to 60VDC) AC adapter available 100 to 240VAC, 50/60Hz
Connectors	BNC 10 MHz output BNC 10 MHz input SMA PPS (3.3 VDC CMOS)
Remote interface & control	
Protocol	RS232 NMEA-0183
Connector	DB-9
Location	Rear panel
Protocol	Bit plus stop
Standard Baud Rates	Selectable 4800, 9600, 19200, 38400, 57600 or 115200 bps
Power connector	4-pin power connector - power in. Mates with On-Shore Tech OSTTJ0411530.
External Synch option	Will synch to PPS, 10 MHz RF (6 to 13 dBm sine, 3.3 Volt CMOS)

Environmental and Mechanical

Operating temperature	0 to 50°C non-condensing (extended temperature range available)
Storage temperature	-40 to 70°C
Width	6.0"
Depth	6.0" (exclusive of connectors)
Height	1.58 "
Weight	~16 oz.

This document is copyright © June 22, 2021 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.