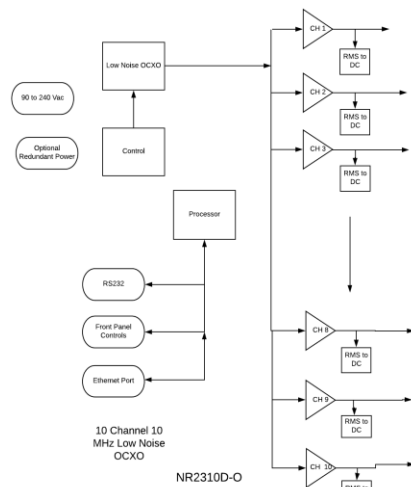


NR2310D-O

10MHz 10 Channel OCXO Reference with Networking



Networking

SNMP-option

Phase Noise

Offset Frequency (Hz)	Typical (dBc / Hz)
10	-120
100	-145
1K	-145
10k	-150

High performance OCXO based frequency reference offers low phase noise and the stability of an oven-controlled oscillator. 10 output channels are designed for minimal phase noise contribution and are fault and transient protected. 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. Channel and BITE status are reported over the RS232 port. Standard unit outputs 13 dBm sine- 10 MHz square available.

Technical Specifications

Output	10 MHz, 1.0 Vrms ± 0.2 , into 50 Ohms, 10 channels, Sine (square option)
Harmonic Distortion	< -30 dBc
First Year Freq Stability	± 50 ppb
Temperature Stability	± 10 ppb
Daily Aging OCXO	± 5 ppb/day
Yearly Aging	± 50 ppb
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
SNMP (option)	
Remote monitoring & control	Internet
Parameters monitored Locally – present on remote interface for monitoring	Output amplitude, all power supplies, GNSS lock status, number of satellites, Built-In test status,
Transaction/decodable commands	English format
Single monitoring command	Updated every second
Connector	RJ-11

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	≈ 5.5 lbs

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