

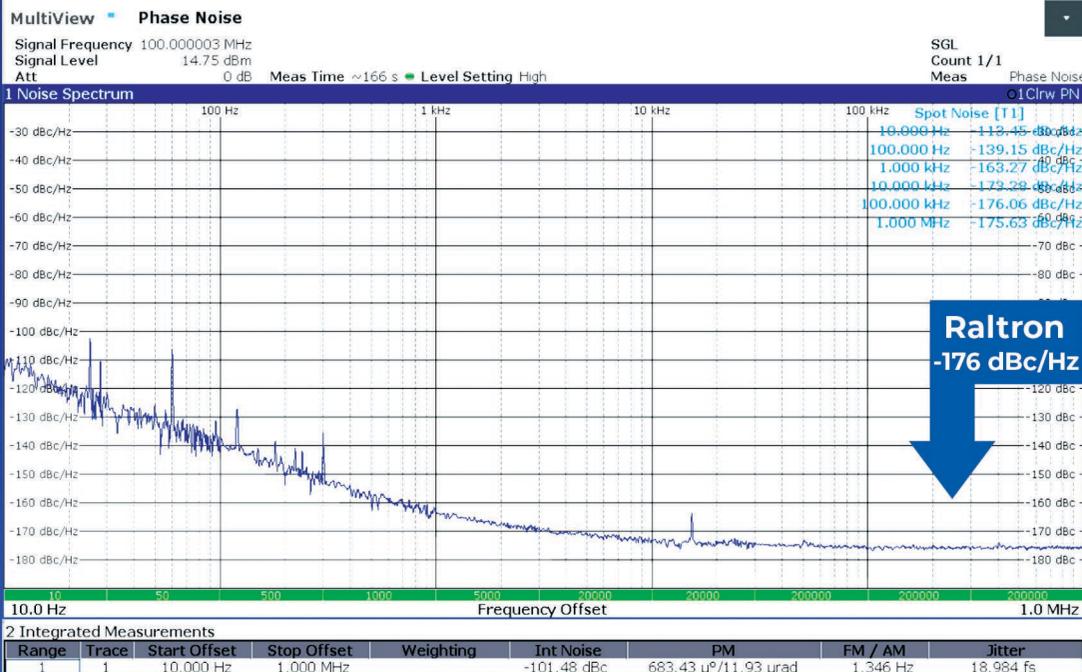


# Raltron Low Phase Noise 100MHz OCXO

Raltron's OXP20/OXP60/OXP80 Series OCXOs deliver excellent frequency stability, very low phase noise, and clean signal performance. Designed for precise operation over temperature and time, these OCXOs provide a reliable reference for synthesizers, timing modules, microwave systems, and other high-performance RF applications.

## APPLICATIONS

-  Block Converters
-  Microwave & RF Communication Systems
-  Test & Measurement Systems
-  Radar Systems
-  Synthesizer Reference Clock



**Raltron**  
-176 dBc/Hz

Electrical Parameter	Raltron OXP80 Series	Raltron OXP80 Series	Raltron OXP60 Series	Raltron OXP20 Series
Frequency	100 MHz	100 MHz	100 MHz	100 MHz
Type Output	Sinewave	Sinewave	Sinewave	Sinewave
Output Level (typ)	10dBm	10dBm	10dBm	10dBm
Harmonics	-30dBc	-30dBc	-30dBc	-30dBc
Spurs	-80dBc	-80dBc	-80dBc	-75dBc
Reference Voltage Option	10Vdc	4.4Vdc	4.4Vdc	4.4Vdc
Frequency Control Range	±1.0~±2.0ppm	±1.0~±2.0ppm	±1.0~±2.0ppm	±1.0~±2.0ppm
Frequency Tuning Voltage Range	0~10 Vdc	0~4.4 Vdc	0~4.4 Vdc	0~4.4 Vdc
Frequency Control Input Impedance	100kΩ	100kΩ	100kΩ	100kΩ
Frequency Stability over Temp.(-40~+85°C)	±20ppb	±20ppb	±20ppb	±50ppb
Initial Frequency Tolerance	±200ppb	±200ppb	±200ppb	±200ppb
Aging (1st year)	±500ppb	±500ppb	±500ppb	±500ppb
Phase Noise (typ) @10Hz	-105 dBc/Hz	-105 dBc/Hz	-100 dBc/Hz	-100 dBc/Hz
Phase Noise (typ) @100Hz	-135 dBc/Hz	-135 dBc/Hz	-130 dBc/Hz	-125 dBc/Hz
Phase Noise (typ) @1kHz	-163 dBc/Hz	-160 dBc/Hz	-160 dBc/Hz	-155 dBc/Hz
Phase Noise (typ) @10kHz	-170 dBc/Hz	-170 dBc/Hz	-170 dBc/Hz	-165 dBc/Hz
Phase Noise (typ) @100kHz	-175 dBc/Hz	-175 dBc/Hz	-175 dBc/Hz	-170 dBc/Hz
Phase Noise (typ) @1MHz	-180 dBc/Hz	-175 dBc/Hz	-175 dBc/Hz	-170 dBc/Hz
Supply Voltage (5%)	12 Vdc	5 Vdc	5 Vdc	5 Vdc
Current Consumption @Steady State	167mA	400mA	400mA	400mA
@Warm Up	400mA	960mA	700mA	700mA
G-Sensitivity (Each Axis@2kHz)	0.2~1ppb/G	0.2~1ppb/G	0.2~1ppb/G	1ppb/G
Dimensions	25 x 25mm	25x 25mm	20 x 20mm	21 x 14mm