

Ultra-Low Phase Noise
POCKET
REFERENCE
OSCILLATOR

NEW
CHPRO Series

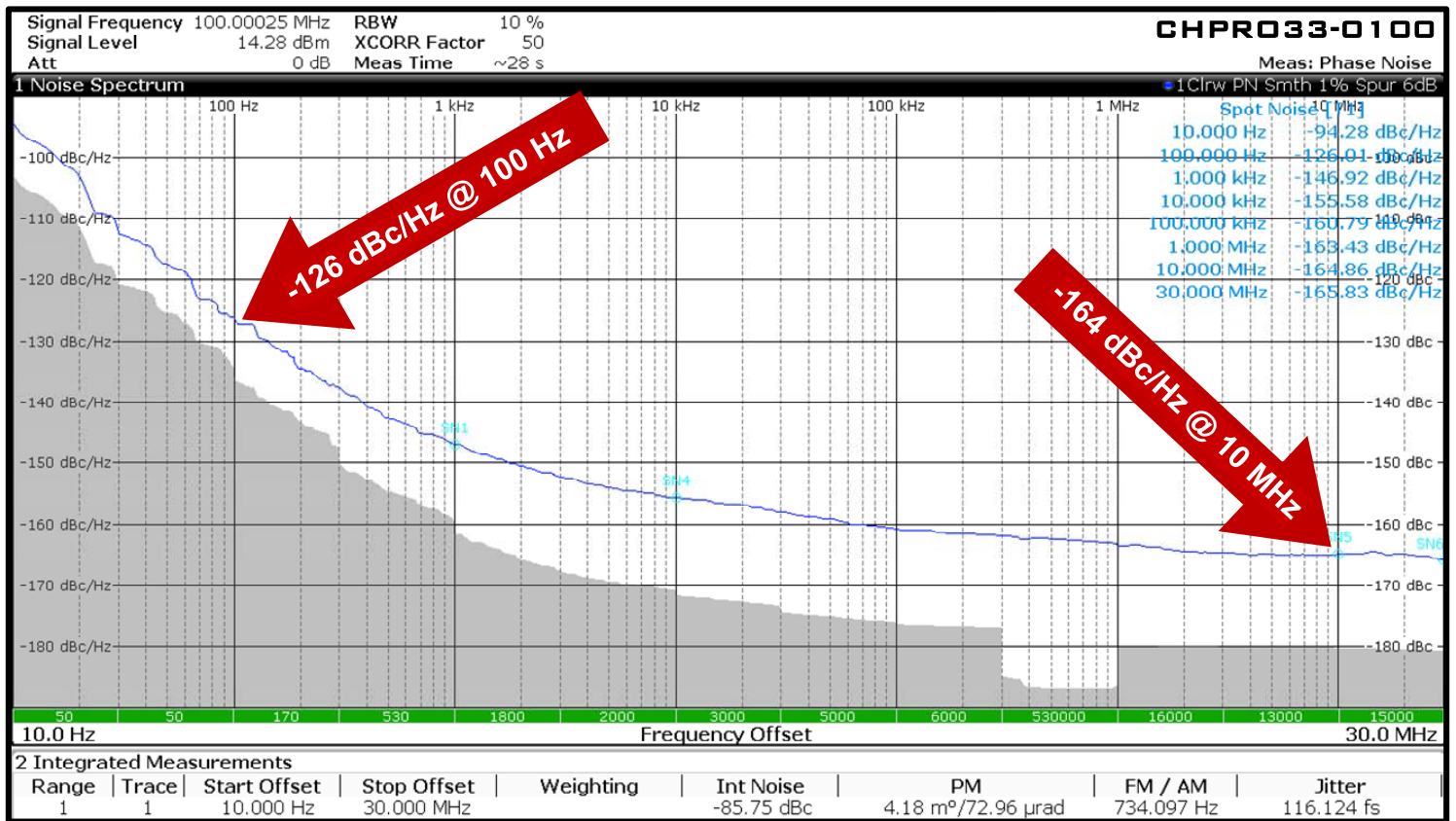


Crystek has lowered the phase noise of its CPRO Series, Pocket Reference Oscillator, with its new CHPRO. The new CHPRO series utilizes Crystek’s CCHD-575 family (HCMOS CLOCK) which has the lowest phase noise in the industry for a 5×7.5mm crystal oscillator.

Simply connect +3.3V DC to the female SMA, and it will generate an Ultra-Low phase noise signal from the male SMA side. It has a Temperature Range of 0°C to +70°C. The frequency range is from 12 MHz to 125 MHz.

Product Control:			
Crystek Part Number:	CHPRO33	Release Date:	11-Jul-2022
Revision Level:	D	Responsible:	K. Piotrowicz

Ultra-Low Phase Noise POCKET REFERENCE OSCILLATOR



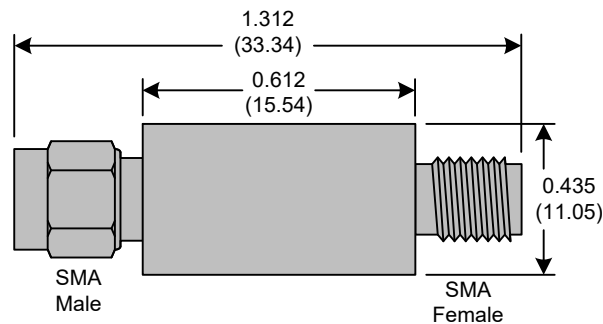
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Ultra-Low Phase Noise POCKET REFERENCE OSCILLATOR

Frequency Range: 12 MHz to 125 MHz*
 Temperature Range: 0°C to +70°C
 Storage: -45°C to 90°C
 Frequency Stability: ±25ppm Typical
 Input Voltage: 3.3V ±0.3V
 Input Current: 15mA Typical, 25mA Max
 Output: HCMOS
 Symmetry: 45/55% Max @ 50% Vdd
 Rise/Fall Time: 2ns Max @ 20% to 80% Vdd
 Logic: "0" = 10% Vdd Max
 "1" = 90% Vdd Min
 Load: 15pF
 Output Current: ±24mA Max
 Phase Jitter: (12kHz~80MHz) 82fs RMS Typical @ 100 MHz
 Phase Noise Typical: See plot
 Phase Noise Floor: -165 dBc/Hz Typical
 Sub-harmonics: None
 Aging: <3ppm 1st year, <1ppm thereafter

*Standard Frequencies (MHz)	
12.000	48.000
16.924400	49.152
22.579200	50.000
24.000	54.000
24.576	80.000
27.000	100.000
40.000	122.880
45.158400	125.000



Available Accessories:
 Power Supply Banana Plug
 SMA to BNC Power Cable

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