

RFPRO Series



Crystek's RFPRO Series, RF Pocket Reference Oscillator is an industry first! A complete SineWave SAW (surface acoustic wave) oscillator has been integrated in a rugged SMA housing. Simply connect power to the female SMA side, and it will output a clean -135dBc/Hz phase noise signal at 10kHz offset. In effect, each RFPRO is a fixed frequency portable signal generator with an operating temperature of -20°C to 70°C. Perfect for Lab use. RFPRO33 available off the shelf in 500MHz and 1GHz frequency output. RFPRO50 available off the shelf in 400MHz and 500MHz frequency output.

Product Control:

Crystek Part Number:	RFPRO33 and RFPRO50	Release Date:	25-Mar-2025
Revision Level:	C	Responsible:	K. Piotrowicz

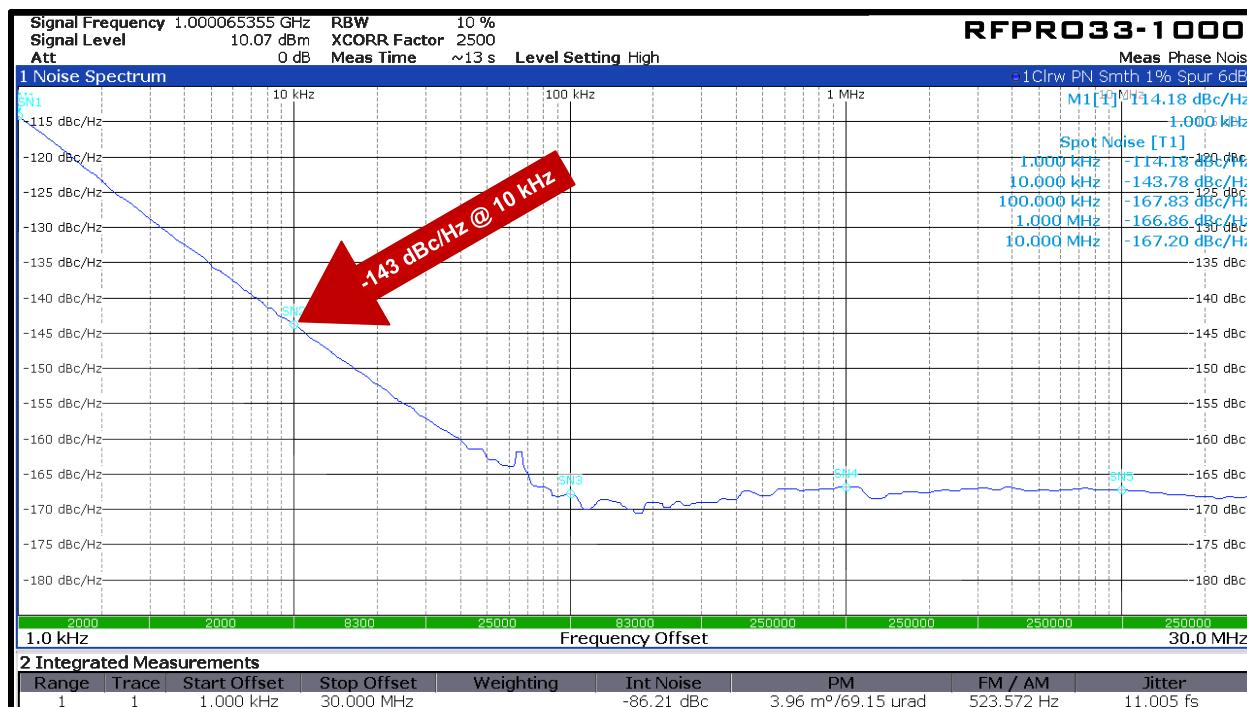


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RF POCKET REFERENCE OSCILLATOR

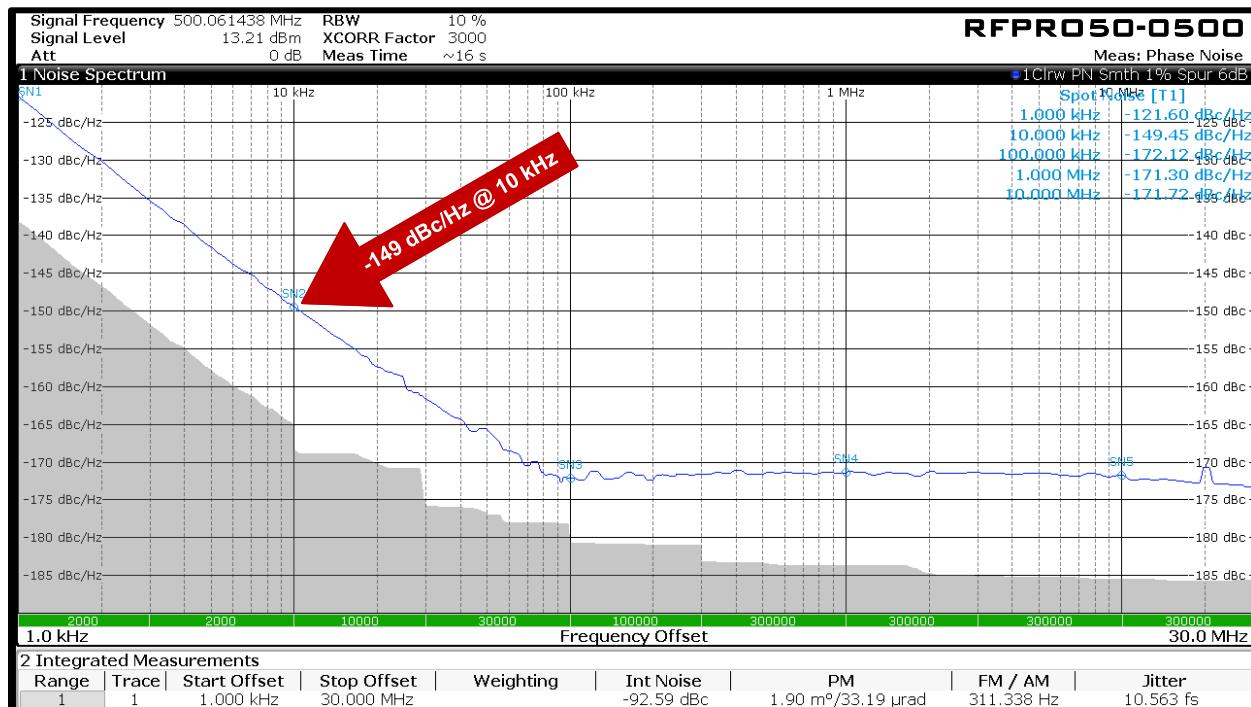
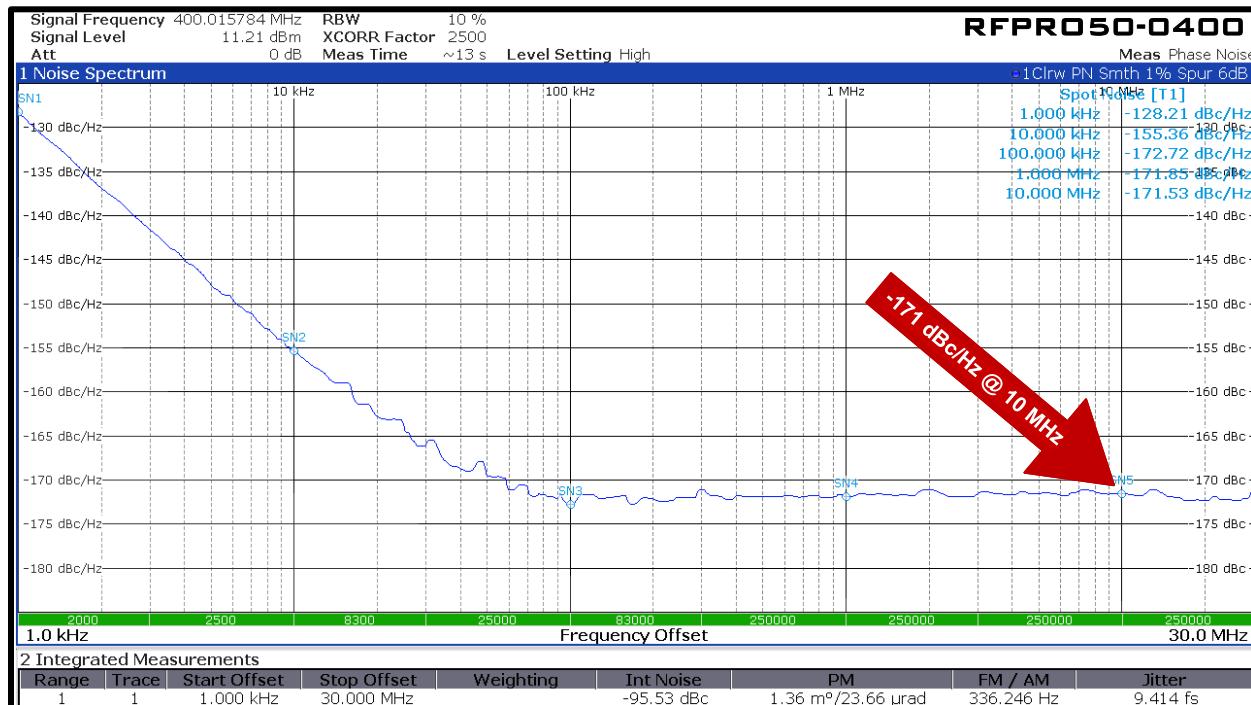


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RFPRO33

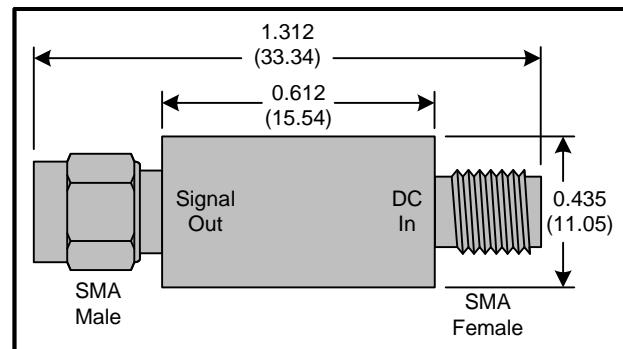
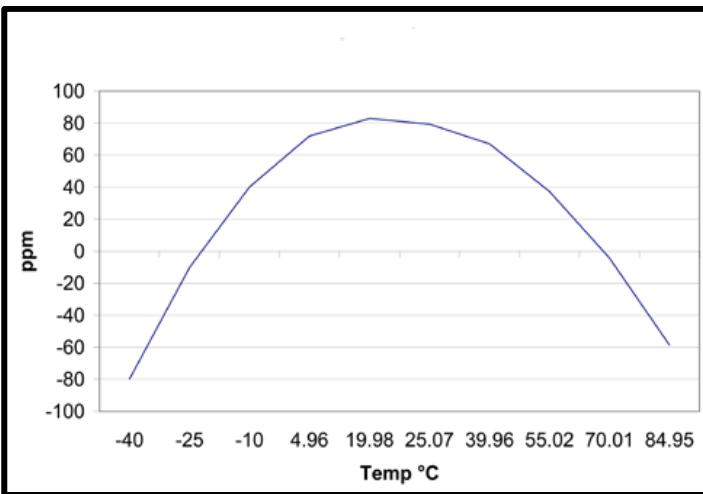
Frequencies: 500.000 MHz and 1000.000 MHZ
 Input Voltage: 3.3V $\pm 1.5V$
 Output Power: +5dBm Min into 50Ω load

RFPRO50

Frequencies: 400.000 MHz and 500.000 MHZ
 Input Voltage: 5.0V $\pm 0.25V$
 Output Power: +10dBm Min into 50Ω load

Operating Temperature Range: -20°C to +70°C
 Storage Temperature Range: -40°C to 90°C
 Frequency vs Temperature: +100ppm / -150ppm Typical
 Input Current: 20mA Typical, 25mA Max
 Output: SineWave
 Start-up Time: 2ms Typical, 10ms Max
 2nd Harmonic: -10 dBc Typical
 Sub-harmonics: None

Available Accessories:
 Power Supply Banana Plug
 SMA to BNC Power Cable
 Signal Injection Cable
 DC Power Supply



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