

RF POCKET REFERENCE OSCILLATOR

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.

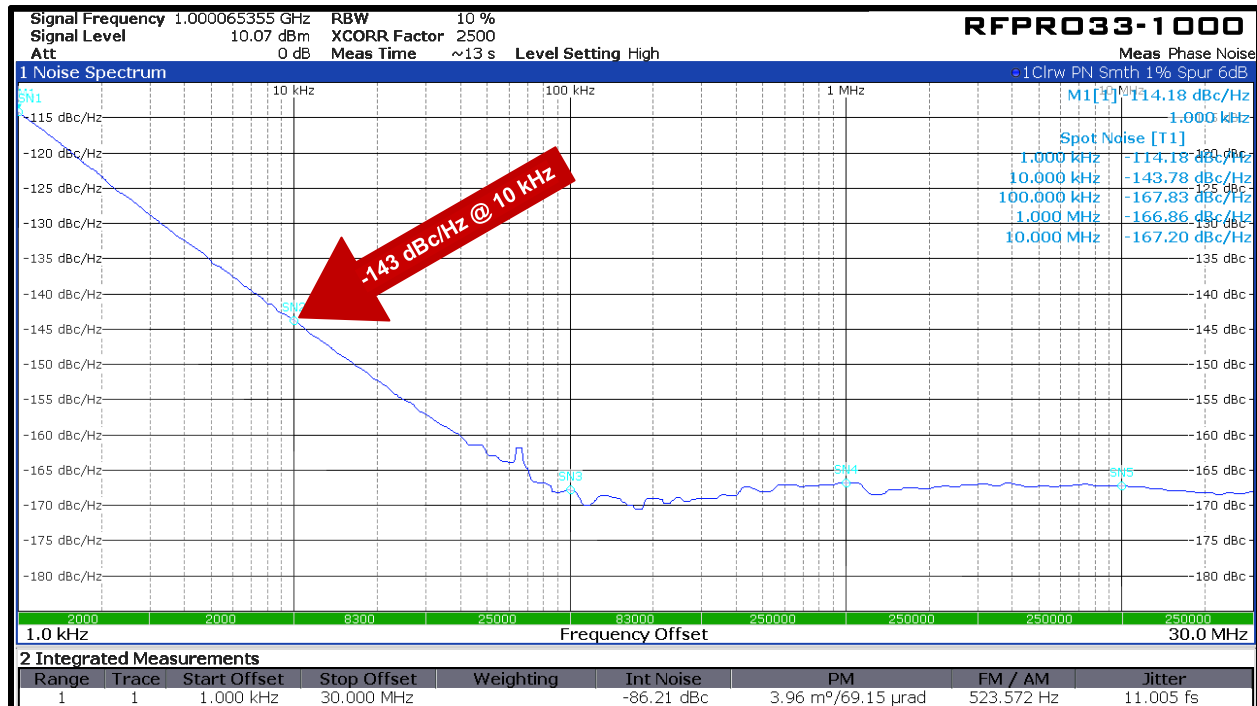
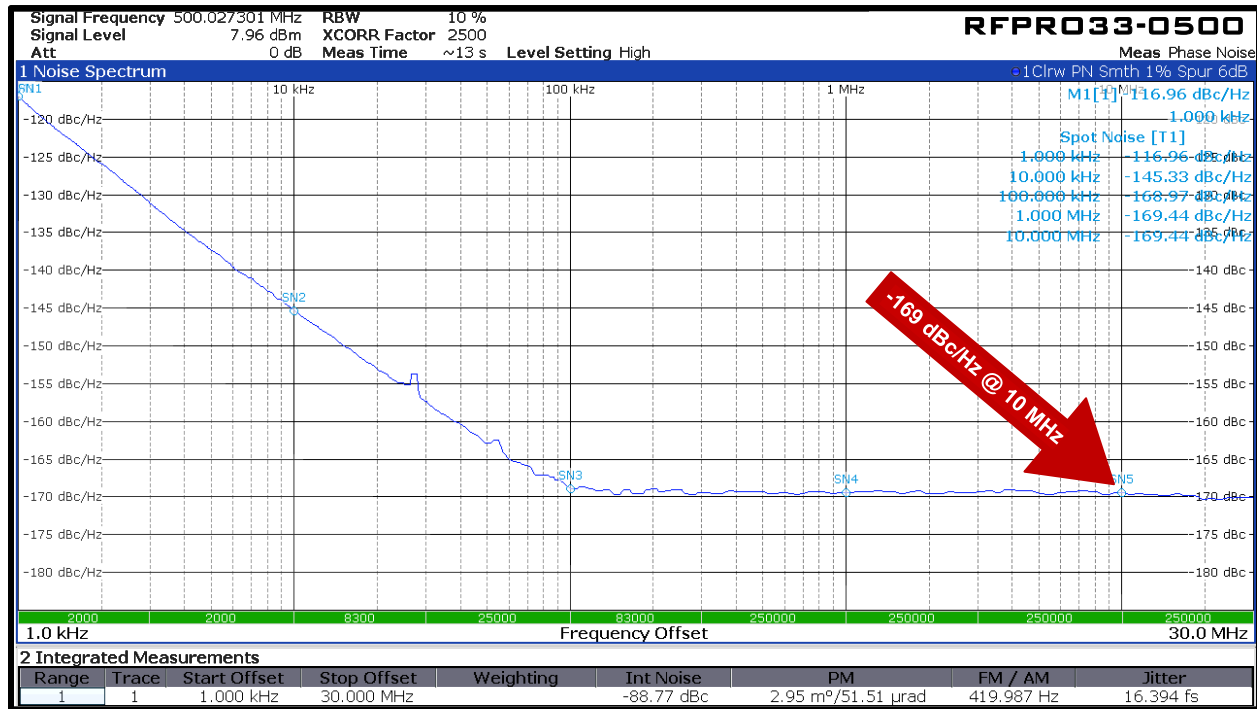
Product Control:

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



CRYSTEK
CRYSTALS
A DIVISION OF CRYSTEK CORPORATION

RF POCKET REFERENCE OSCILLATOR

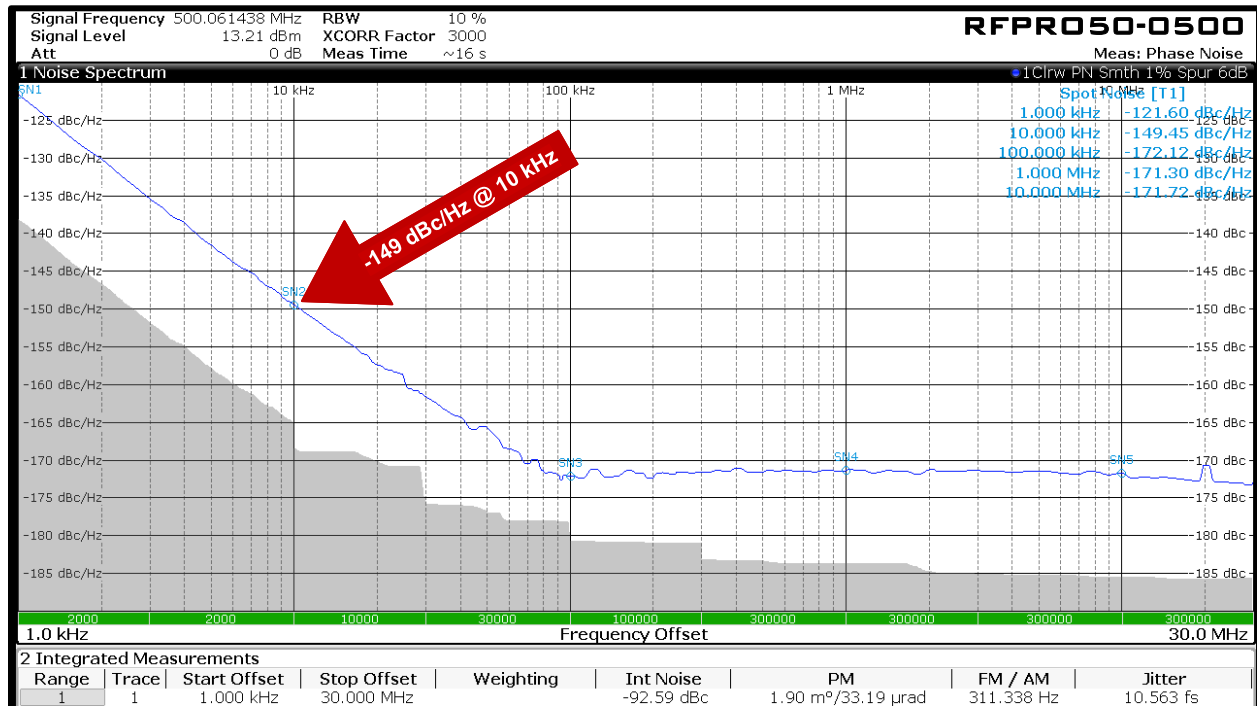
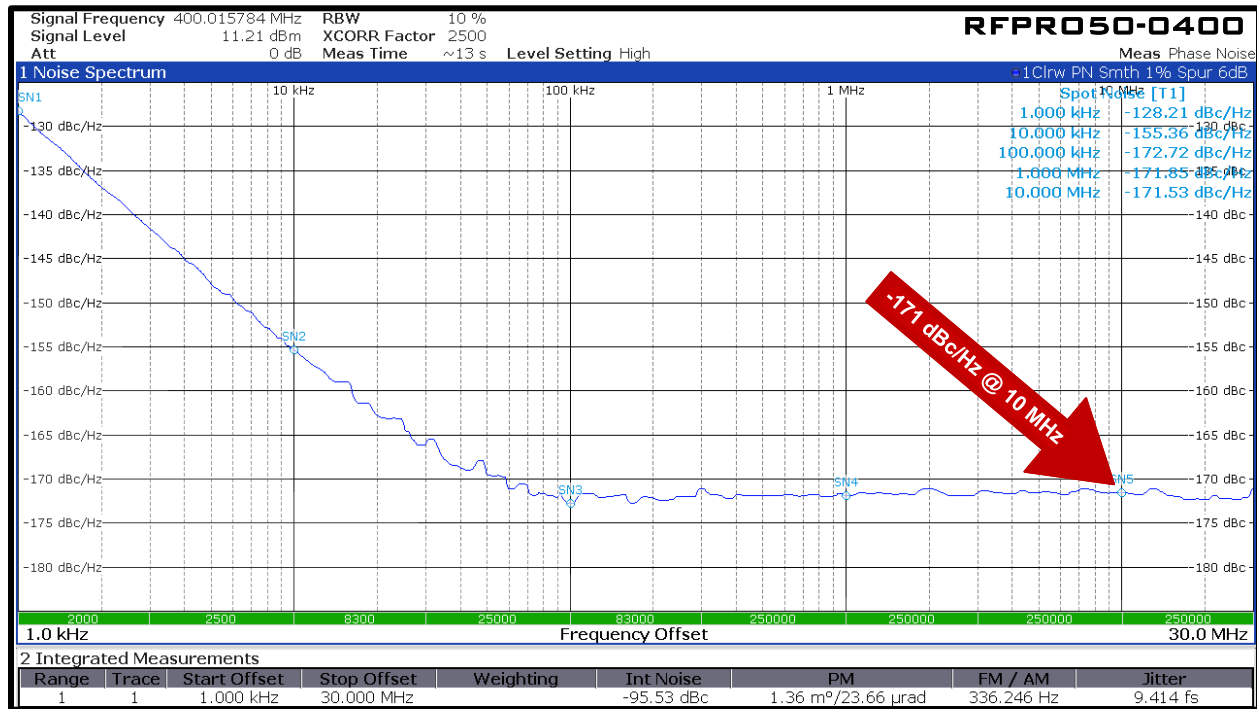


Product Control:

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



RF POCKET REFERENCE OSCILLATOR



Product Control:

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

RF POCKET REFERENCE OSCILLATOR

RFPRO33

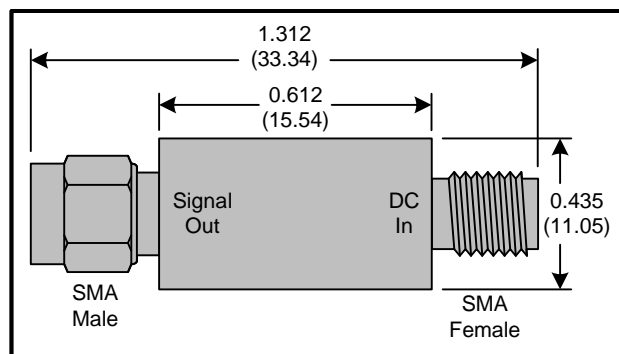
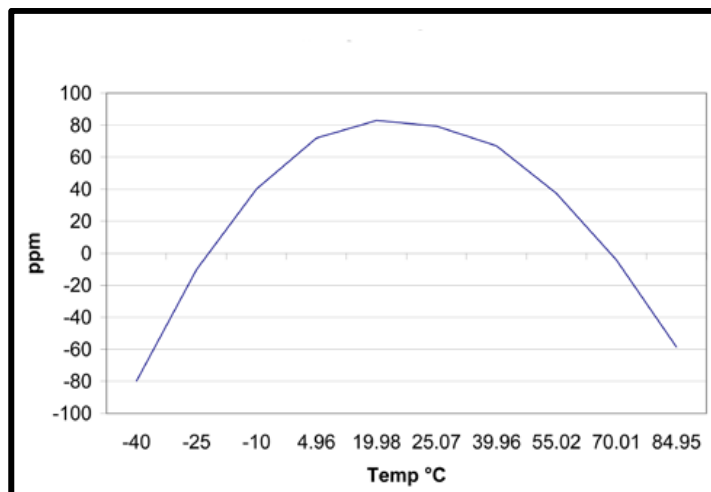
Frequencies: 500.000 MHz and 1000.000 MHZ
Input Voltage: 3.3V \pm 1.5V
Output Power: +5dBm Min into 50 Ω load

RFPRO50

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



Product Control:

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

Crystek Corporation reserves the right to make changes to its products and/or information contained herein without notice. No liability is assumed as a result of its use or application.