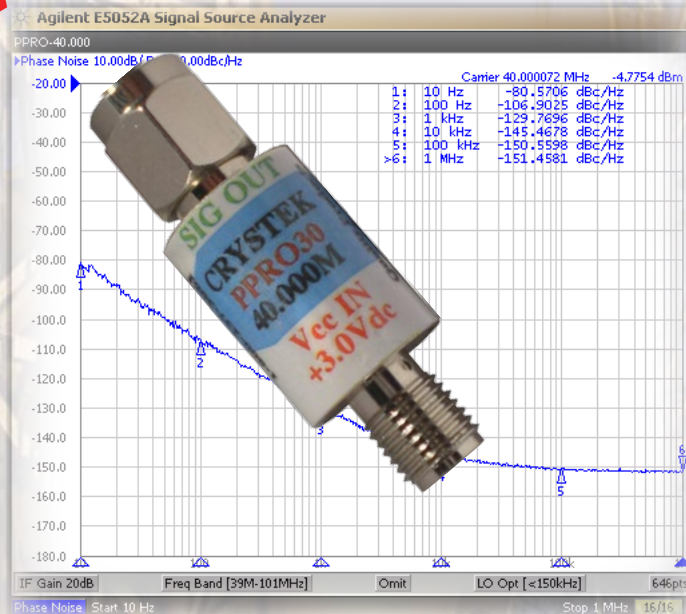


**PRECISION  
POCKET  
REFERENCE  
OSCILLATOR**

*New  
PPRO Series*



Actual Size

Crystek's new **PPRO** Series, **P**recision **P**ocket **R**eference **O**scillator is an another industry first! A complete Clipped-Sinewave TCXO has been integrated into a rugged SMA housing. Simply connect +3.0Vdc to the female SMA side, and it will output a Low Phase Noise, High Stability signal from the male SMA side. Frequency stability is  $\pm 2.5$ ppm MAX over  $-20^{\circ}\text{C}$  to  $75^{\circ}\text{C}$ . Available off the shelf in many standard frequencies. Perfect for Lab use and reference boards as an input reference.

Part Number	Description
PPRO30-10.000	10.000MHz, 3.0V $\pm 2.5$ ppm Max( $-20/75^{\circ}\text{C}$ )
PPRO30-13.000	13.000MHz, 3.0V $\pm 2.5$ ppm Max( $-20/75^{\circ}\text{C}$ )
PPRO30-19.200	19.200MHz, 3.0V $\pm 2.5$ ppm Max( $-20/75^{\circ}\text{C}$ )
PPRO30-26.000	26.000MHz, 3.0V $\pm 2.5$ ppm Max( $-20/75^{\circ}\text{C}$ )
PPRO30-40.000	40.000MHz, 3.0V $\pm 2.5$ ppm Max( $-20/75^{\circ}\text{C}$ )

**Temperature Range:**  $-20^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$   
**Operating Temp.:**  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$   
**Storage:**  $-45^{\circ}\text{C}$  to  $90^{\circ}\text{C}$   
**Input Voltage:**  $+3.0\text{V} \pm 5\%$   
**Input Current:** 1.2mA Typ., 2mA Max  
**Output:** Clipped Sinewave  
**Load:** 10Kohm // 10pF Typ.  
**Phase Noise:**  
**Offset 100Hz:** -110 dBc/Hz Max  
**Offset 1KHz:** -130 dBc/Hz Max  
**Harmonics:** -5dBc Max



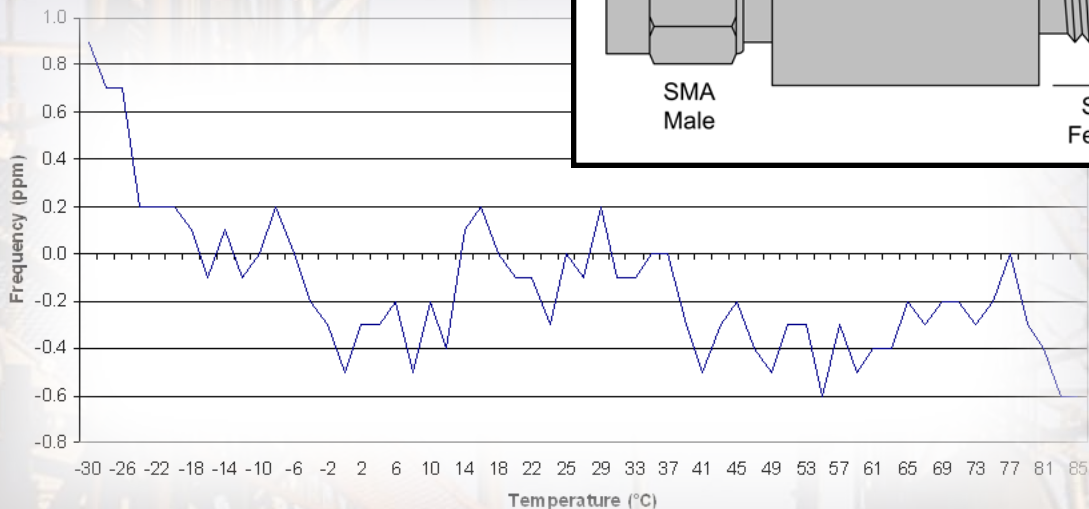
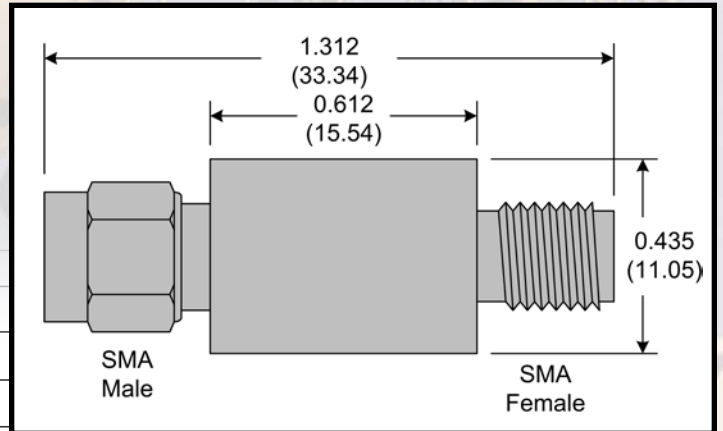
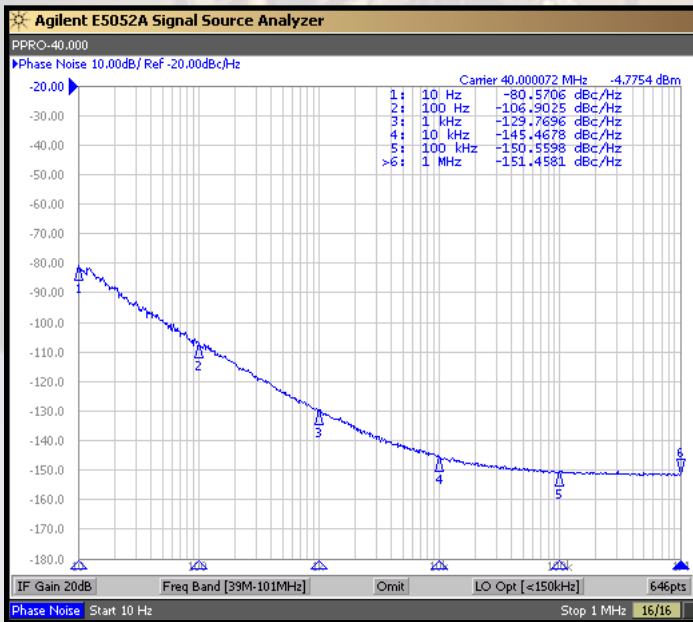
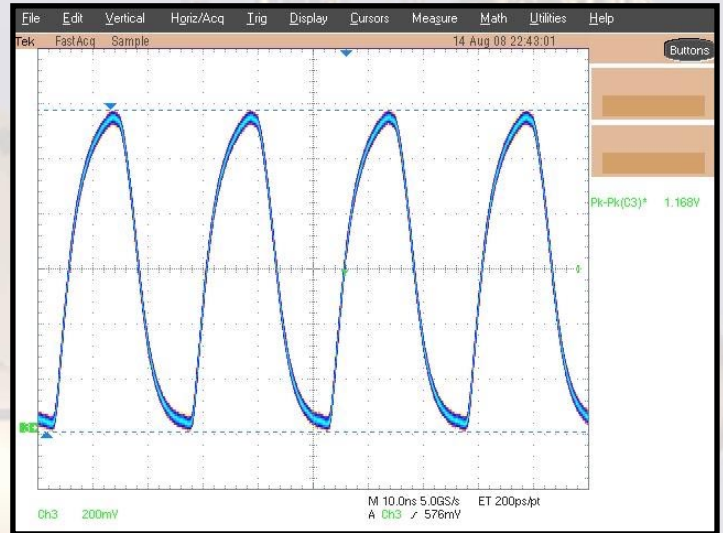
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CRYSTALS  
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**PRECISION  
POCKET  
REFERENCE  
OSCILLATOR**

Available Accessories:

- Power Supply Banana Plug
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- Signal Injection Cable
- DC Power Supply

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