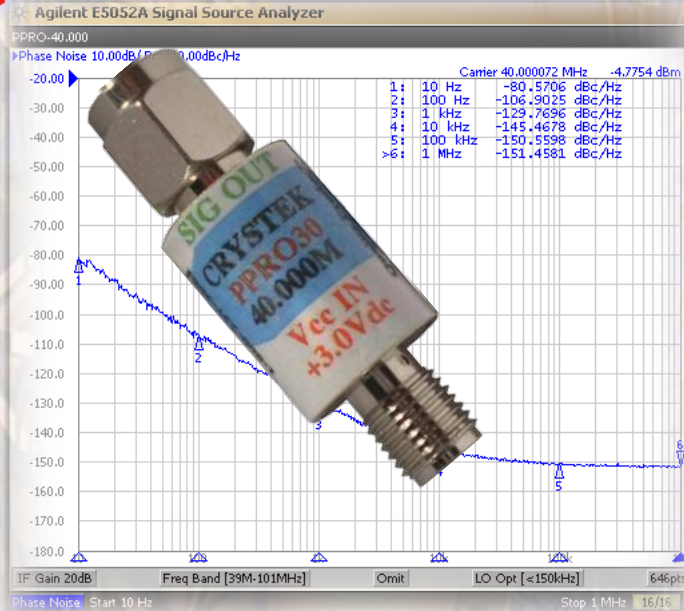




**CRYSTEK**  
CRYSTALS  
A DIVISION OF CRYSTEK CORPORATION

**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



**CRYSTEK**  
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913

PHONE: 239-561-3311 • 800-237-3061 Rev.: B

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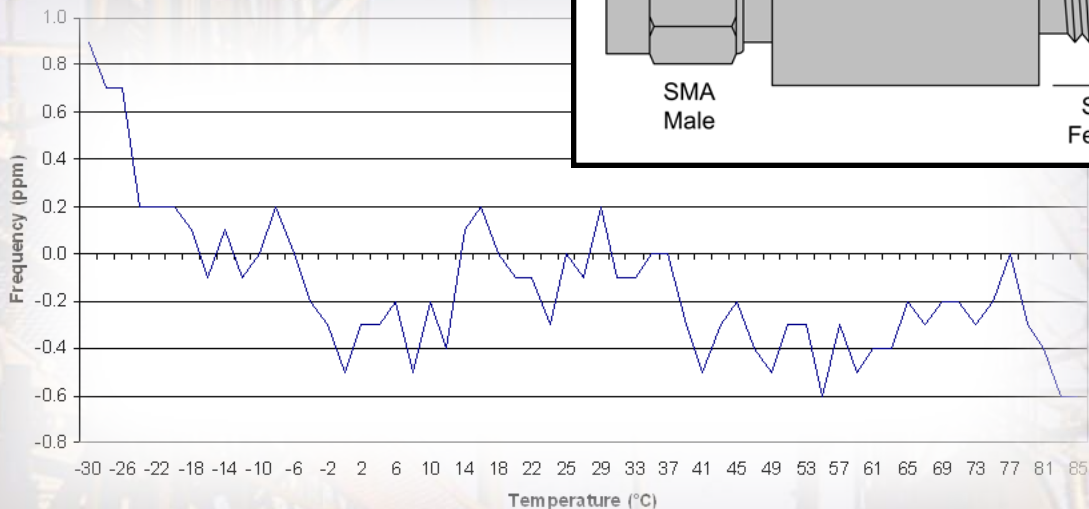
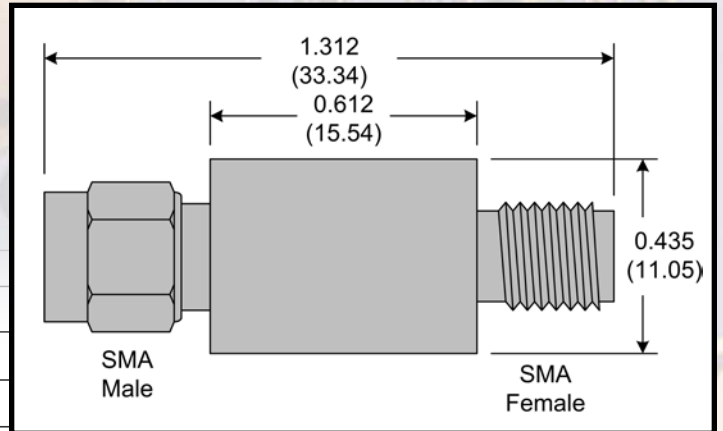
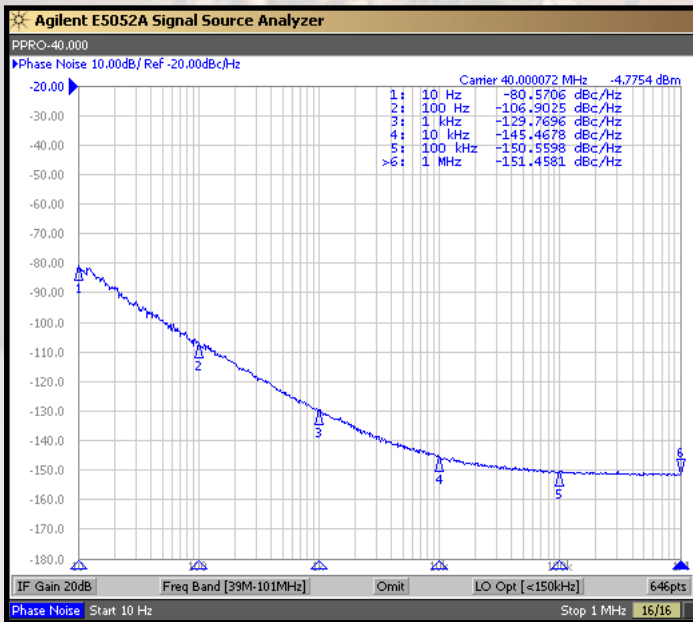
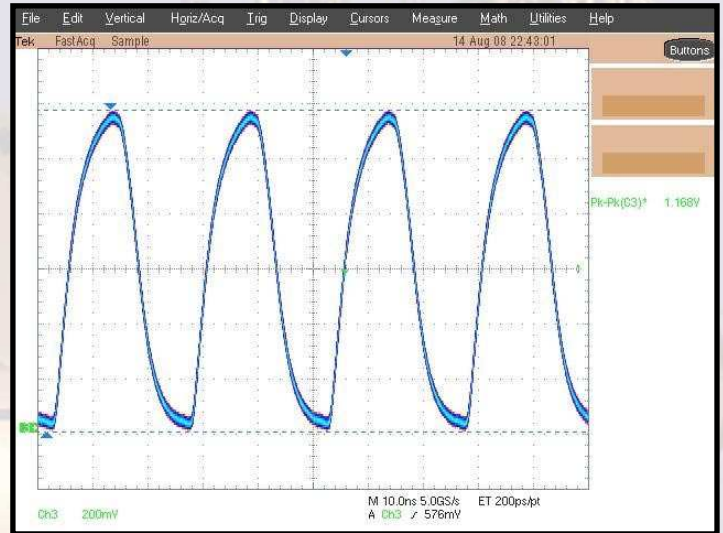
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# PRECISION POCKET REFERENCE OSCILLATOR

Available Accessories:

- Power Supply Banana Plug
- SMA to BNC Power Cable
- Signal Injection Cable
- DC Power Supply

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