



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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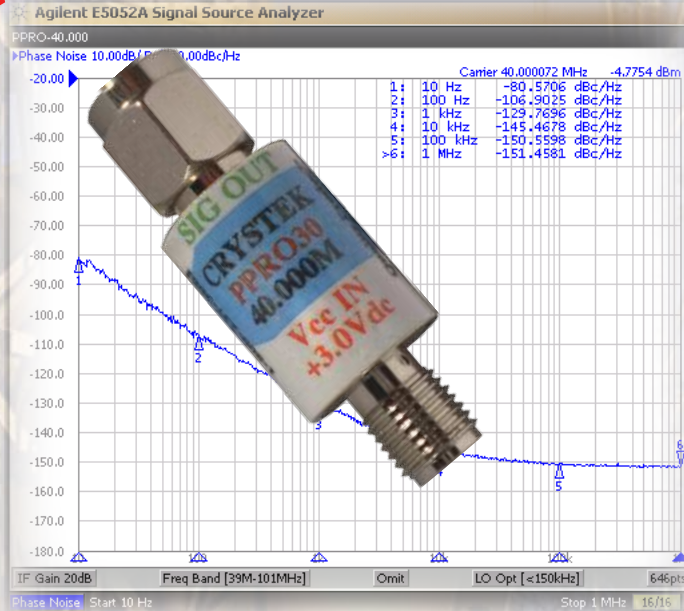




**CRYSTEK**  
CRYSTALS  
A DIVISION OF CRYSTEK CORPORATION

**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°C to 75°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°C)
PPRO30-13.000	13.000MHz, 3.0V $\pm 2.5$ ppm Max(-20/75°C)
PPRO30-19.200	19.200MHz, 3.0V $\pm 2.5$ ppm Max(-20/75°C)
PPRO30-26.000	26.000MHz, 3.0V $\pm 2.5$ ppm Max(-20/75°C)
PPRO30-40.000	40.000MHz, 3.0V $\pm 2.5$ ppm Max(-20/75°C)

- Temperature Range:** -20°C to +75°C
- Operating Temp.:** -40°C to 85°C
- Storage:** -45°C to 90°C
- Input Voltage:** +3.0V  $\pm 5\%$
- 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



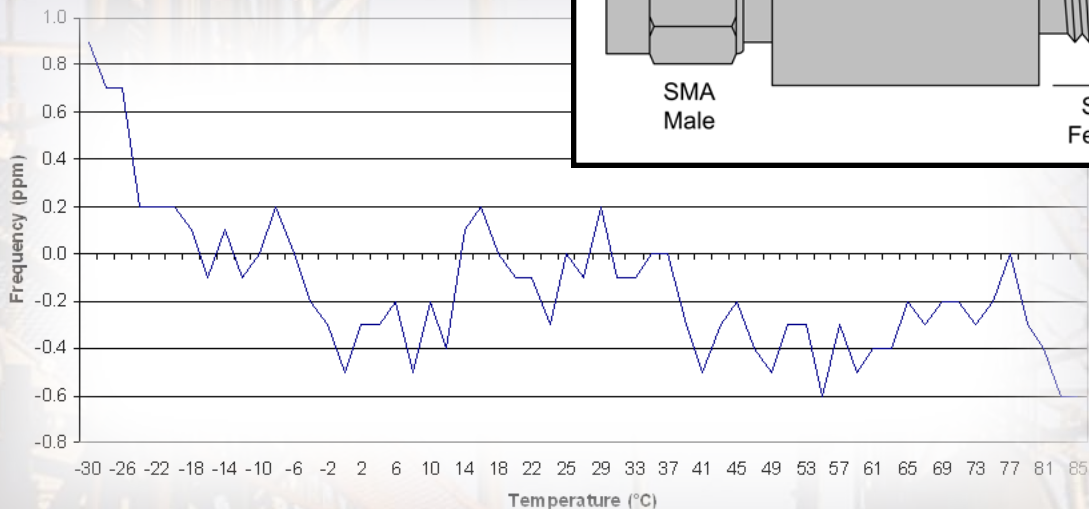
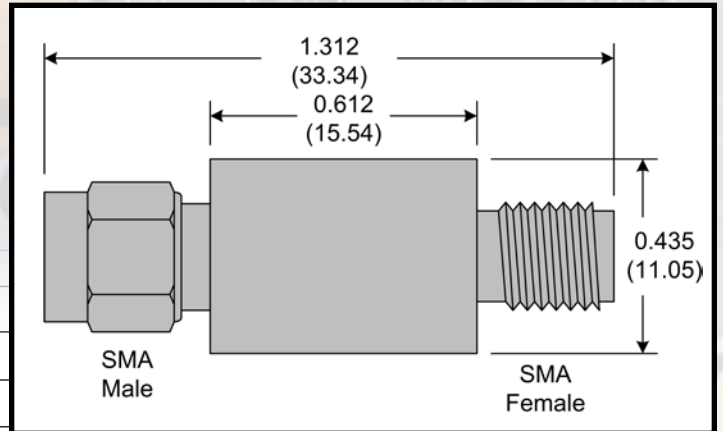
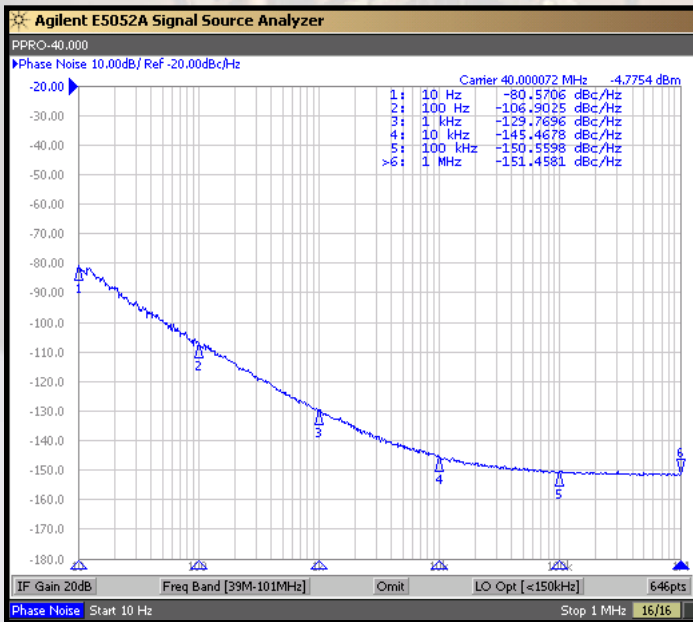
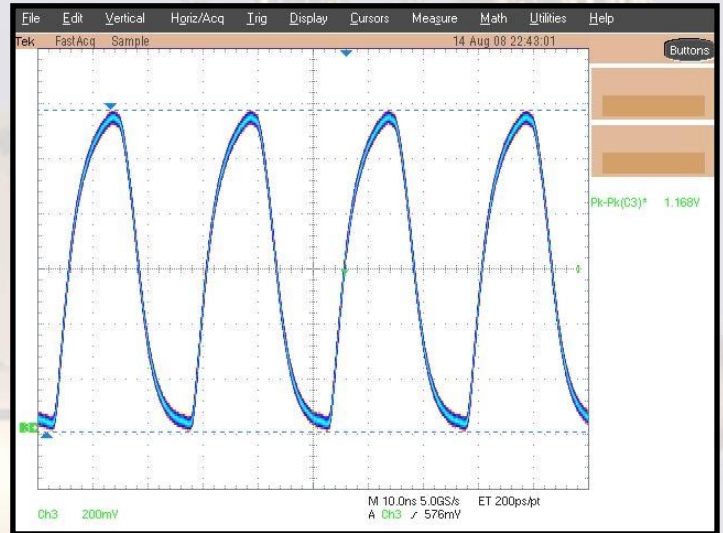
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**PRECISION  
POCKET  
REFERENCE  
OSCILLATOR**

Available Accessories:

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

Visit our Website for additional Information  
[WWW.CRYSTEK.COM](http://WWW.CRYSTEK.COM)



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FAX: 239-561-1025 • [WWW.CRYSTEK.COM](http://WWW.CRYSTEK.COM) Date: 09-14-09