CRYSTEK CRYSTALS
A Division of Crystek Corporation

POCKET REFERENCE OSCILLATOR

New PRO Series

Actual Size

Crystek's new PRO Series, Pocket Reference Oscillator is an industry first! A complete HCMOS crystal clock oscillator has been integrated in a rugged SMA housing. Simply connect +3.3Vdc to the female SMA side, and it will output a clean Low Jitter signal from the male SMA side. In effect, each PRO is a fixed frequency portable crystal generator. Frequency stability is ±25ppm over 0°C to 70°C. Available off the shelf in many standard frequencies (see next page). Perfect for Lab use.

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Part Number	Description
CPRO33-4.000	4.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-5.000	5.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-8.000	8.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-10.000	10.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-12.000	12.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-16.000	16.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-16.384	16.384MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-20.000	20.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-25.000	25.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-32.768	32.768MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-44.736	44.736MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-45.000	45.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-50.000	50.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-62.500	62.500MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-77.760	77.760MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-80.000	80.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-100.000	100.000MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-106.250	106.250MHz, 3.3V ±25ppm Max(0/70°C)
CPRO33-125.000	125.000MHz, 3.3V ±25ppm Max(0/70°C)

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

Temperature Range:	**0°C to +70°C**
Operating Temp.	**-40°C to 85°C**
Storage:	**-45°C to 90°C**
Input Voltage:	**+3.3V ± 0.3V**
Input Current:	
1.54~34.0MHz	**18 mA Max**
35.0~50.0MHz	**25 mA Max**
51.0~69.0MHz	**30 mA Max**
70.0~156.25MHz	**45 mA Max**
Rise/Fall Time:	
1.54~10.0MHz	**5nsec Max @ 20% to 80% Vdd**
10.1~30.0MHz	**4nsec Max @ 20% to 80% Vdd**
30.1~50.0MHz	**3nsec Max @ 20% to 80% Vdd**
50.1~80.1MHz	**2.5nsec Max @ 20% to 80% Vdd**
80.1~156.25MHz	**2nsec Max @ 20% to 80% Vdd**
Output:	**HCMOS**
Symmetry:	**45/55% Max @ 50%Vdd**
Logic:	**"0" = 10% Vdd Max**
	"1" = 90% Vdd Min.
Load:	**15pF Typical**
Jitter:12KHz~80MHz	**0.5psec Typ., 1psec RMS Max**