



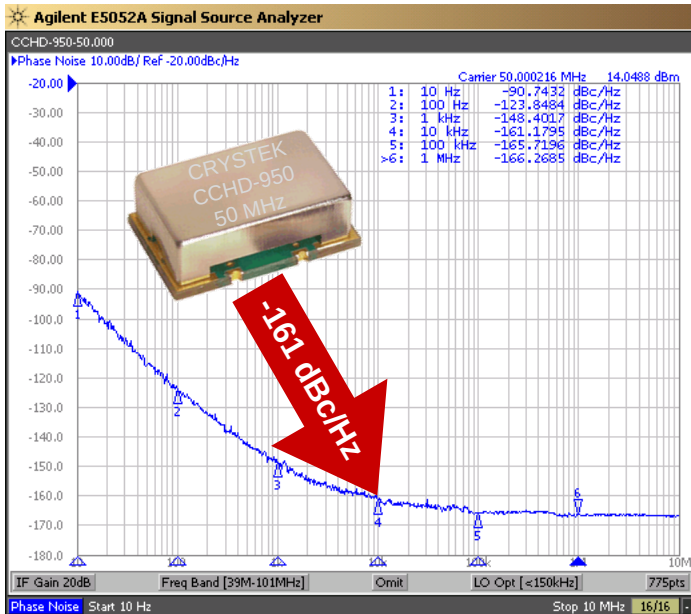
CRYSTEK
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CCHD-950 Model
9×14 mm SMD, 3.3V, HCMOS

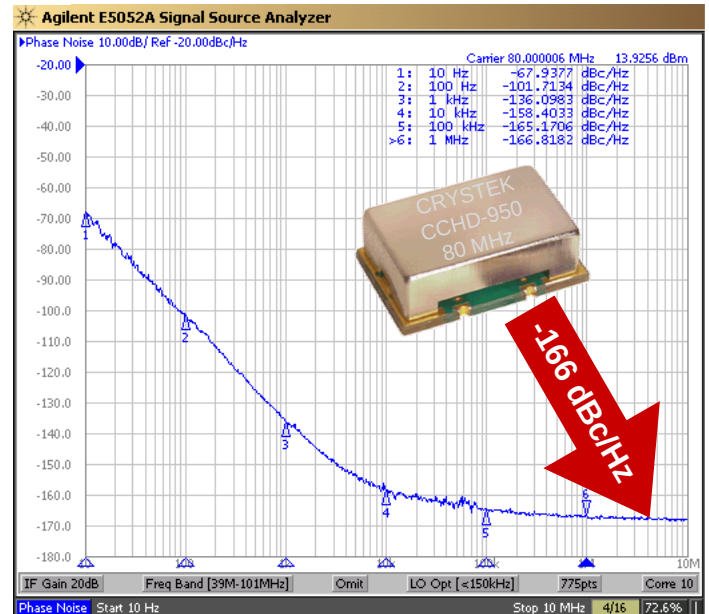


CCHD-950 Ultra-Low Phase Noise Oscillator

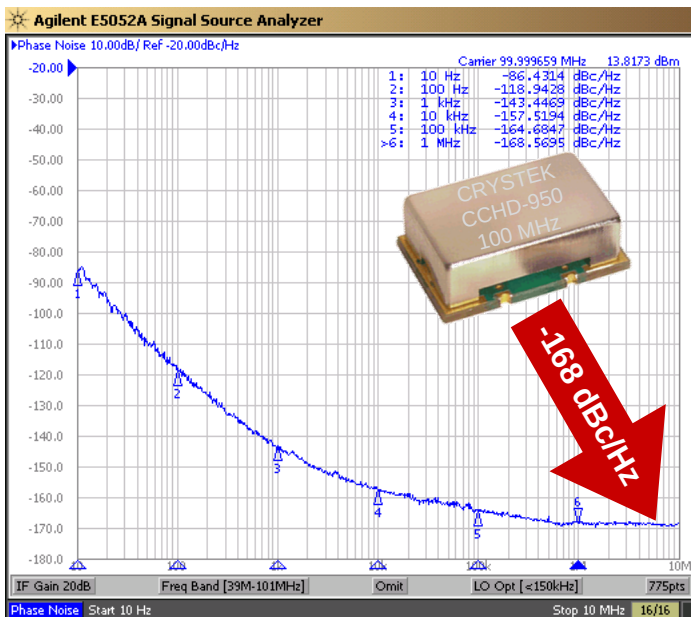
50 MHz HCMOS 3.3V



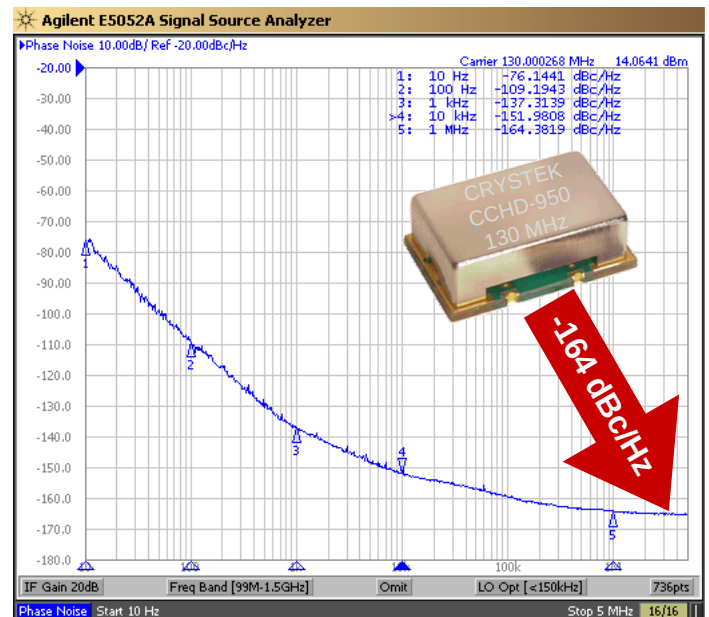
80 MHz HCMOS 3.3V



100 MHz HCMOS 3.3V



130 MHz HCMOS 3.3V



Model CCHD-950 is a 45 MHz to 130 MHz HCMOS Clock Oscillator. High Q crystal and 3rd overtone technology provides Ultra-Low Phase Noise and Low-Jitter performance with an HCMOS output. Features include -165 dBc/Hz phase noise floor with 3.3 Vdc input voltage, -40°C to +85°C operating temperature, and 9×14 mm SMT package. The oscillator has no sub-harmonics.

Applications include High Definition TV, Avionics
Low Phase Signal Sources, and Test and Measurement.

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CRYSTEK
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM

CCHD-950

Ultra-Low Phase Noise Oscillator



CCHD-950 Model

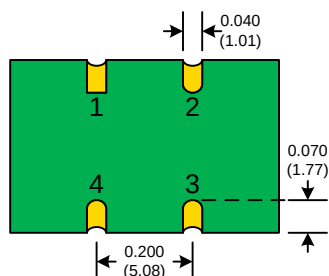
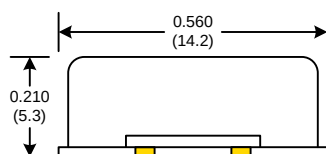
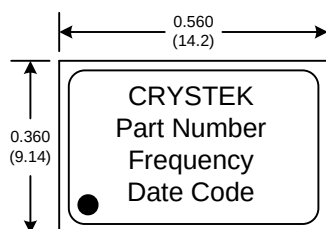
9x14 mm SMD, 3.3V, HCMOS

Frequency Range: 45 MHz to 130 MHz
Temperature Range: 0°C to +70°C
 (Option M) -20°C to +70°C
 (Option X) -40°C to +85°C
Storage: -45°C to 90°C
Input Voltage: 3.3V ±0.3V
Input Current: 15mA Typical, 25mA Max
Output: HCMOS
Symmetry: 45/55% Max @ 50% Vdd
Rise/Fall Time: 3nsec Max @ 20% to 80% Vdd
Logic: "0" = 10% Vdd Max
 "1" = 90% Vdd Min
Load: 15pF
Output Current: ±24mA Max
Jitter: 12kHz~80MHz 0.5psec Typical, 1psec RMS Max
Phase Noise Typical: See plots
Phase Noise Floor: -165dBc/Hz Typical, -160dBc/Hz Max
Sub-harmonics: None
Aging: <3ppm 1st year, <1ppm thereafter

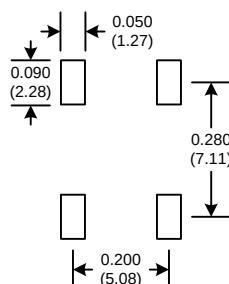
CCHD-950 Options:
Temperature Range: 0°C to +70°C (±20ppm, ±25ppm, ±50ppm)
 -20°C to +70°C (±25ppm, ±50ppm)
 -40°C to +85°C (±25ppm, ±50ppm)

Part Number Example:
 CCHD-950X-25-100.000 = 3.3V, 45/55, -40°C to +85°C (±25ppm), 100 MHz

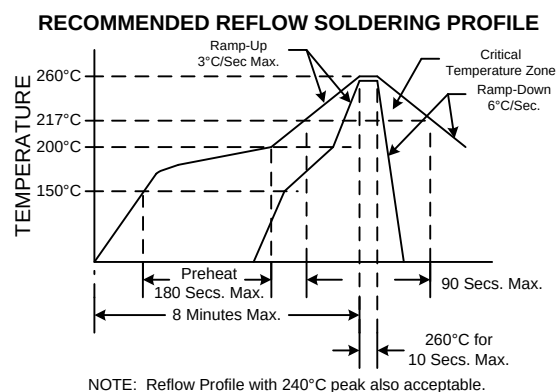
Mechanical:	
Shock:	MIL-STD-883, Method 2002, Condition B
Solderability:	MIL-STD-883, Method 2003
Vibration:	MIL-STD-883, Method 2007, Condition A
Solvent Resistance:	MIL-STD-202, Method 215
Resistance to Soldering Heat:	MIL-STD-202, Method 210, Condition I or J
Environmental:	
Thermal Shock:	MIL-STD-883, Method 1011, Condition A
Moisture Resistance:	MIL-STD-883, Method 1004



SUGGESTED PAD LAYOUT



Pad	Connection
1	NC
2	GND
3	OUT
4	Vdd



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AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com