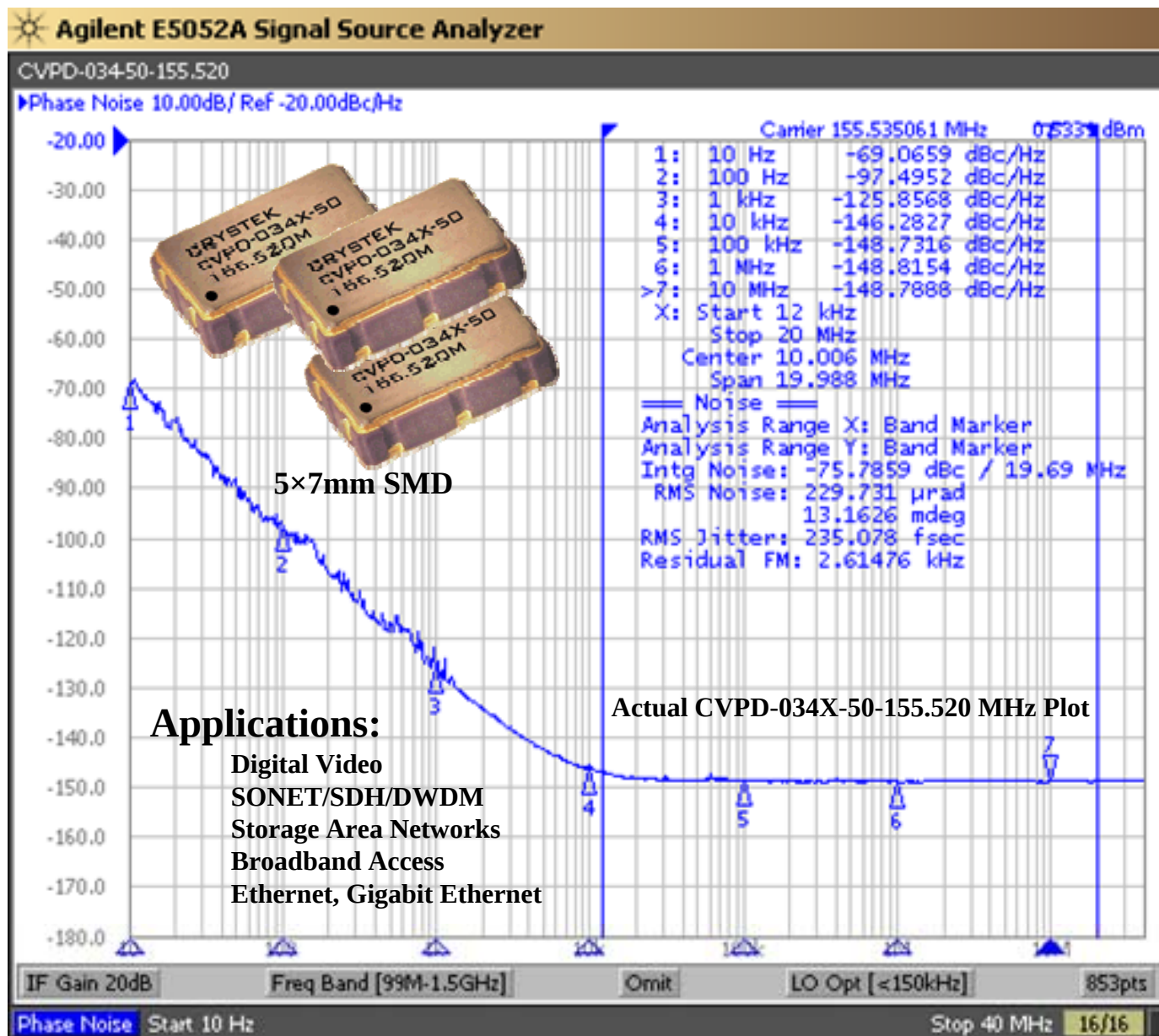


# CVPD-034 LVPECL

## Voltage Controlled Crystal Oscillator

### 5×7mm SMD

### 3.3 Volts



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# CVPD-034 LVPECL

## Voltage Controlled Crystal Oscillator

### 5×7mm SMD

### 3.3 Volts



#### Crystek Part Number Guide

CVPD - 034 X - 50 - 155.520

#1 #2 #3 #4 #5

#1 Crystek PECL VCXO  
#2 Model 034  
#3 Temp Range: Blank = 0/70°C, M = -20/70°C, X = -40/85°C  
#4 Pullability: (see Table 1)  
#5 Frequency in MHz: 3 or 6 decimal places

Pullability Indicator

50 ± 50ppm

Table 1

Example:

CVPD-034X-50-155.520

3.3V, -40/85°C, ±50ppm (APR), 155.520 MHz

#### Standard Frequencies

(±50ppm, 0/70°C)

77.760 MHz

155.520 MHz

156.250 MHz

161.132800 MHz

200.000 MHz

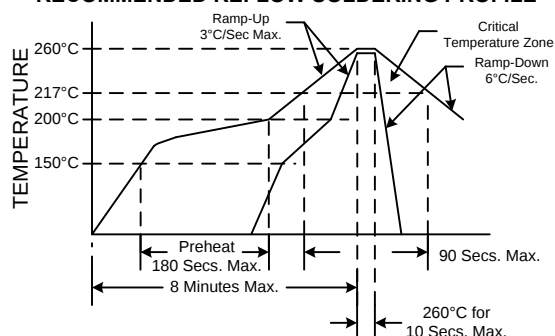
#### Mechanical:

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

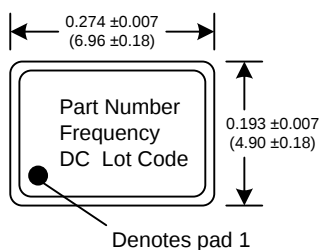
#### Environmental:

Thermal Shock: MIL-STD-883, Method 1011, Condition A  
Moisture Resistance: MIL-STD-883, Method 1004

#### RECOMMENDED REFLOW SOLDERING PROFILE

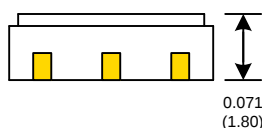


NOTE: Reflow Profile with 240°C peak also acceptable.

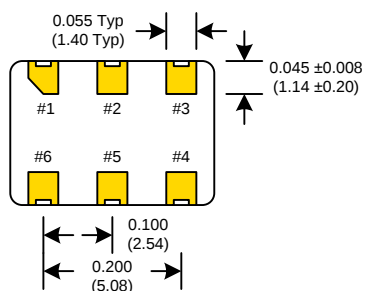


Dimensions inches (mm)

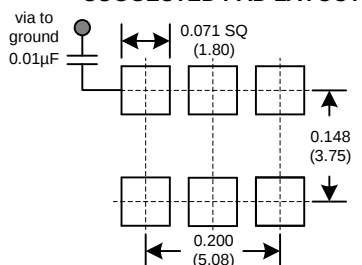
All dimensions are Max unless otherwise specified.



| Enable/Disable        |            |
|-----------------------|------------|
| Function pin 2        | Output pin |
| Open or N/C           | Active     |
| "1" level 0.7×Vdd Min | Active     |
| "0" level 0.3×Vdd Max | High Z     |



#### SUGGESTED PAD LAYOUT



0.01uF Bypass Capacitor Recommended

| PIN | Connection     |
|-----|----------------|
| 1   | Volt Control   |
| 2   | Enable/Disable |
| 3   | GND            |
| 4   | Output         |
| 5   | Comp Output    |
| 6   | Vcc            |

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