2.0x1.6 SMD OSCILLATOR (Programmable)

FEATURE

- 0.6 MHz to 200 MHz
- CMOS compatible logic levels. .
- Pin-compatible togs texts.
 Pin-compatible with standard 2.0×1.6mm packages.
 PLL technology to enable short lead time.
 Pb-free and RoHS/Green compliant.

APPLICATIONS

Ideally suited designed for use in Computer Peripherals, Set-top Box, HDTV DSC, PDA, Portable Applications.



•Electrical Specifications 电气参数

| 型号 | Holder Type | 2.0x1.6mm SMD OSCILLATOR(Programmable) |
|---------|---------------------------------|--|
| 频率范围 | Frequency Range | 0.6Mhz to 200 MHz |
| 总频差 | Frequency Stability | ±15ppm to ±50ppm |
| 输入电压 | Supply Voltage | 1.8V to 3.3V |
| 工作温度范围 | Operating Temperature Range | -20°C - +70°C / -40°C - +85°C |
| 储存温度范围 | Storage Temperature Range | -40°C - +85°C/-55°C - +125°C |
| 占空比 | Symmetry (Duty Cycle) | 45/55 Standard |
| 输出 | Output Load | 15pF Hcmos |
| 消耗电流 | Current Consumption (15pf only) | |
| | 3.3V | 35 mA max |
| | 2.5V | 30 mA max |
| | 1.8V | 20 mA max |
| 上升/下降时间 | Rise/Fall Time | 3 nS max |

+Vs

64

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= 0.1µF

Oscillator

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●Mechanical Dimensions 外型尺寸

UNIT(单位):mm(毫米)







suggested solder pad layout

| PIN | FUNCTION | |
|-----|-----------------------|--|
| 1 | Tri-state%(See Notes) | |
| 2 | Ground | |
| 3 | Output | |
| 4 | Vdd | |

Tri-state: PIN 1 connected to Vdd or floating, the product is working properly;connected to GND, stops working.



•Test Circuit(测试电路)

Q

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+Vs

Power

Supply

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Frequency

Counter

0

15pF*

Oscilloscope