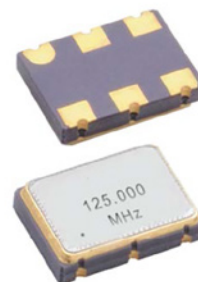


Features

- Differential output crystal oscillator LV-PECL
- Frequency range from 10MHz to 1500MHz
- 2.5V /3.3V operation voltage
- Excellent low phase noise and jitter
- 3-state function available
- Automatic mounting and reflow soldering
- Applications: *Ethernet, Server, PC, ADC, Storage Area Network, SONET, etc*
- RoHS Compliant & Pb Free

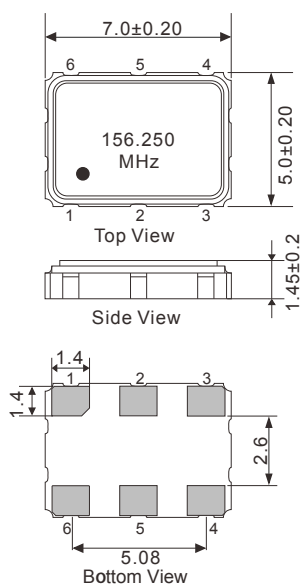


Standard Specifications

| Type | 7J SMD LV-PECL Differential Oscillator | |
|---------------------------------|--|-------------|
| Output Type | LV-PECL | |
| Output Load | 50Ω to Vcc-2V | |
| Supply Voltage | 2.5V / 3.3V | |
| Frequency Range | 10~320 MHz | 10~1500 MHz |
| Supply Current | 100mA Max. | 50mA Max. |
| Overall Frequency Stability* | ±25ppm, ±50ppm, or specify | |
| Operating Temperature | -40~+85°C, or specify | |
| Storage Temperature | -55~+125°C | |
| Voltage Vol (Max.) / Voh (Min.) | Vcc-1.62V / Vcc-1.026V | |
| Rise (Tr) / Fall (Tf) Time | 1ns Max. | |
| Start-up Time | 2ms Max. | 10ms Max. |
| Duty Cycle | 45~55% | |
| Phase Noise (156.25MHz) at 1KHz | -130dBc/Hz | -113dBc/Hz |
| Phase Jitter (12KHz~20MHz) | 1ps Max. | |
| Aging (at 25°C) | ±3ppm /Year Max. | |
| Packing Units | 1000pcs. /Reel | |

* Including frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

Dimensions [mm]



Pin Connections

| Pin No. | Connection |
|---------|--------------|
| 1 | OE or NC |
| 2 | OE or NC |
| 3 | GND |
| 4 | Output |
| 5 | Comp. Output |
| 6 | Vcc |

* External decoupling capacitor required

