

### 7 x 5 mm SMD CXO LVPECL / 7E SERIES

#### ■ Features

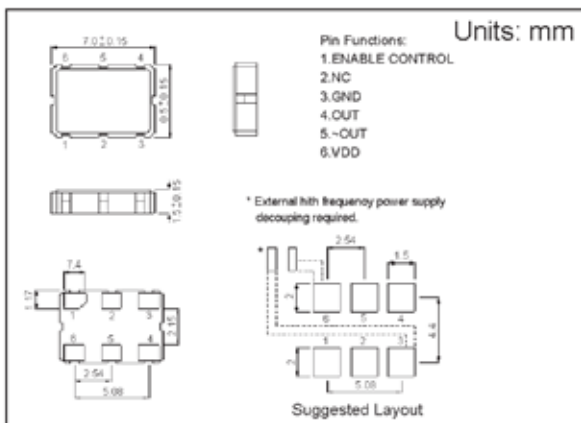
- Small SMD type clock crystal oscillator unit.
- Designed for automatic mounting and reflow soldering.
- Optionable stand-by function for output: Tri-state output.
- High stability, low jitter, low phase noise, and low power consumption.
- Low stand-by current: 10  $\mu$ A Max.
- For applications in Gigabit, Fiber Channel, and SONET.
- Standard frequencies: 77.76, 106.25, 125, 155.52, 156.25, 187.5, and 212.5 MHz
- Lead free parts.



#### ■ Electrical Specifications

Item	Type	7E
Output Load (LVPECL)		50 $\Omega$
Supply Voltage		2.5 V, 3.3 V
Frequency Range		40 ~ 350 MHz
Frequency Stability		$\pm 30$ ppm, $\pm 50$ ppm, or specify
Operating Temperature Range		-20 ~ +70 $^{\circ}$ C, -40 ~ +85 $^{\circ}$ C
Storage Temperature Range		-55 ~ +125 $^{\circ}$ C
Voltage Vol (Max.) / Voh (Min.)		VDD - 1.62 V / VDD - 1.025 V
Rise (Tr Max.) / Fall (Tf Max.) Time		1 ns Max.
Supply Current		80 mA Max.
Symmetry		45 ~ 55 %
Start-up Time		10 ms Max.
Phase Jitter (12 KHz ~ 20 MHz)		1 ps Max.
Aging (at 25 $^{\circ}$ C)		$\pm 3$ ppm / year Max.

#### ■ Dimensions



#### ■ Reflow Condition

