

7 x 5 mm SMD CXO LVDS / 7F SERIES

■ **Features**

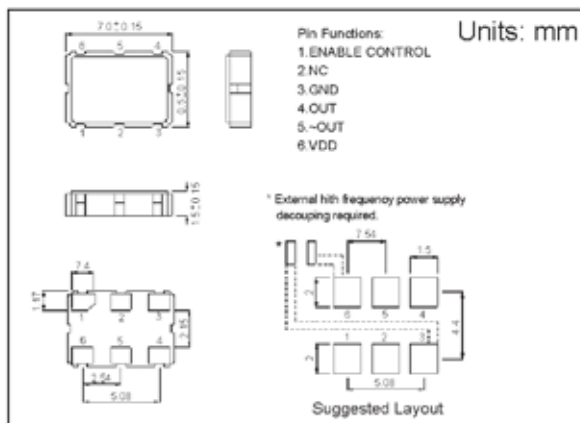
- Small SMD type clock crystal oscillator unit.
- Designed for automatic mounting and reflow soldering.
- Optionable stand-by function for output: Tri-state output.
- High stability, low jitter, low phase noise, and low power consumption.
- Low stand-by current: 10 μ A Max.
- For applications in Gigabit,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



■ **Electrical Specifications**

Item	Type	7F
Output Load (LVDS)		100 Ω
Supply Voltage		2.5 V, 3.3 V
Frequency Range		40 ~ 350 MHz
Frequency Stability		\pm 50 ppm
Operating Temperature Range		-40 ~ +85 $^{\circ}$ C
Storage Temperature Range		-55 ~ +125 $^{\circ}$ C
Voltage Vol (Max.) / Voh (Min.)		0.9 V / 1.6 V
Rise (Tr Max.) / Fall (Tf Max.) Time		0.7 ns Max.
Supply Current		75 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**

