

LVDS TYPE SLO-10

- Ceramic SMD package
- 3.3 / 2.5 supply voltage
- Differential LVDS output
- Non-multiplied
- Stability to ± 20 ppm
- Tri-state function available
- Reflow soldering is possible
- Available on tape and reel

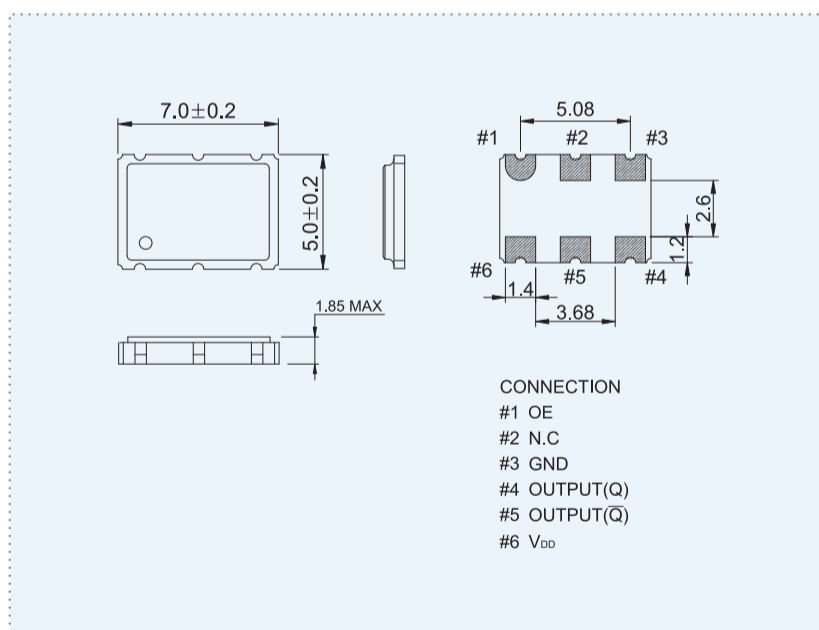
ELECTRICAL SPECIFICATIONS

Frequency Range	9.500 ~ 250.000MHz	
Operating Temperature Range	0 to +70 °C or -40 to +85 °C	
Storage Temperature Range	-55 to +125 °C	
Frequency Tolerance / Stability	± 100 , ± 50 ppm or ± 25 , ± 20 ppm	
Supply Voltage	2.5V _{DC} $\pm 5\%$ 3.3V _{DC} $\pm 5\%$	
Current Consumption	45mA Typ., 66mA(3.3V) max.	
Output Voltage Logic High	1.43 V Typ., 1.6max.	
Output Voltage Logic Low	1.1 V Typ., 0.9max.	
Output Differential Voltage	247 ~ 454mV, 350mV Typ.	
Offset Voltage	1.125 ~ 1.375mV, 1.2V Typ.	
Rise / Fall Time	300ps Typ., 700ps max.(20~80% waveform)	
Duty Cycle	50 $\pm 5\%$	
Output load	100 Ω Differential Load	
Output Enable Function	V _{IH} : $\geq 0.7V_{DD}$ V _{IL} : $\leq 0.3V_{DD}$	Enable Output Disable Output : High Impedance
Aging (at 25 °C)	± 3 ppm/year max.	
Start-up Time	10ms max.	
Phase Jitter(12kHz to 20MHz)	1ps max.	

Part Numbering Guide

MODEL (PKG TYPE)	SUPPLY VOLTAGE	FREQUENCY STABILITY	OPER-TEMP RANGE	DUTY CYCLE	1PIN CONNETION	PACKING	FREQUENCY (MHZ)
SLO 10	3 : 3.3V 2 : 2.5V	25 : ± 25 ppm 50 : ± 50 ppm BLANK : ± 100 ppm	A : -40 ~ +85 °C B : -20 ~ +70 °C BLANK : 0 ~ +70 °C	D : 45 : 55 BLANK : 40 : 60	S : TRI-STATE H : E/D HIGH L : E/D LOW BLANK : NO-CONNECTION	BLANK : BULK R : TAPE & REEL	xx.xxx(STD) xx.xxxxxx

MECHANICAL DIMENSIONS (mm)



LAND PATTERN (mm)

