

# LVDS TYPE SLO-10

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

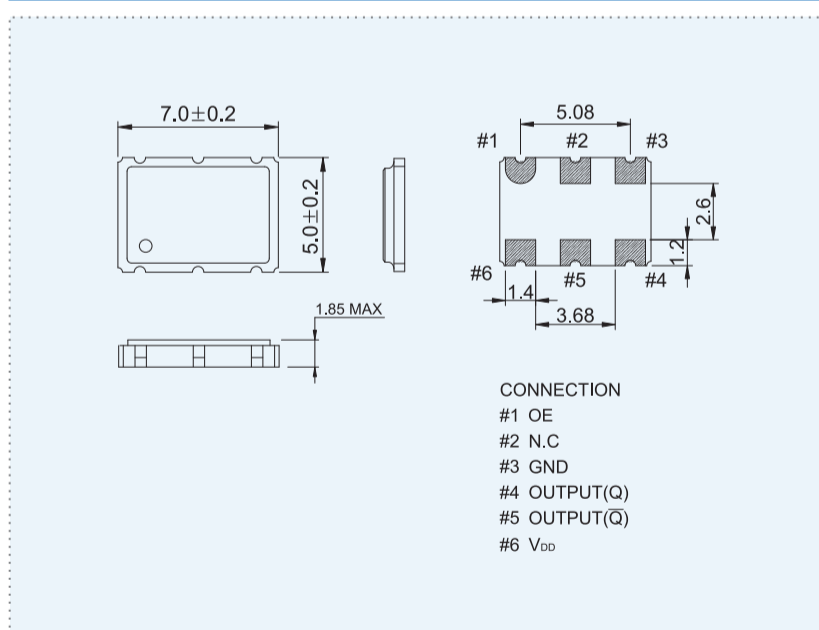
## ELECTRICAL SPECIFICATIONS

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	$\pm 100$ , $\pm 50$ ppm or $\pm 25$ , $\pm 20$ ppm	
Supply Voltage	2.5V <sub>DC</sub> $\pm 5\%$ 3.3V <sub>DC</sub> $\pm 5\%$	
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 $\Omega$ Differential Load	
Output Enable Function	V <sub>IH</sub> : $\geq 0.7V_{DD}$ V <sub>IL</sub> : $\leq 0.3V_{DD}$	Enable Output Disable Output : High Impedance
Aging (at 25 °C)	$\pm 3$ 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 : $\pm 25$ ppm 50 : $\pm 50$ ppm BLANK : $\pm 100$ 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)

