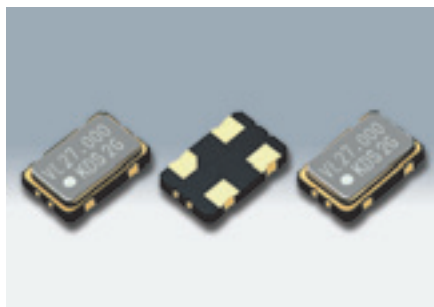


SMD Crystal Oscillators

DS0531SVL



Actual size

Features

- 5032 size, 1.1 mm high
- Tri-state function
- Low current consumption

Applications

- PC, PDA, DSC, DVC, DVD



Pb-Free



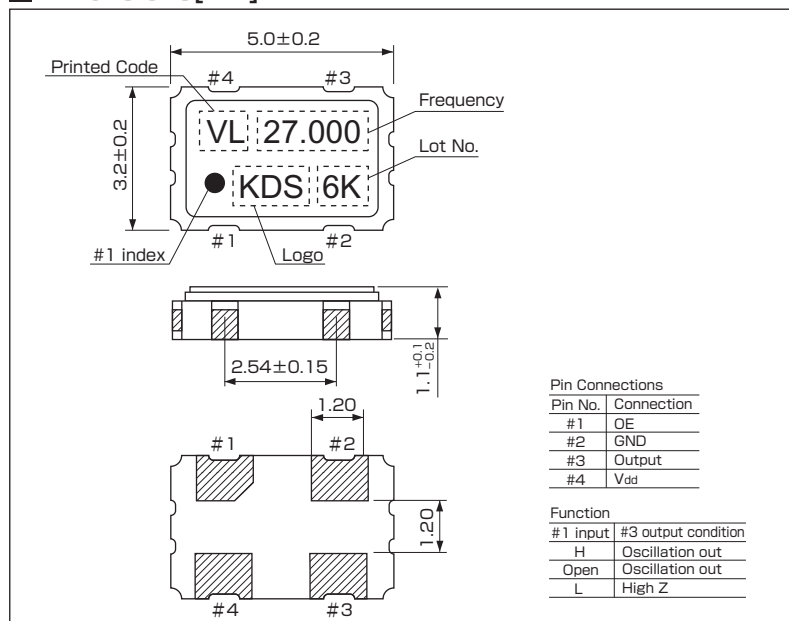
RoHS Compliant

Standard Specification

Item	Type	Legend	DS0531SVL	Condition
Standard Characteristics	Output Frequency Range	Fo	0.7~40MHz	
	Frequency Tolerance	F_tol	$\pm 50 \times 10^{-6}$, $\pm 100 \times 10^{-6}$	-10~+70°C, Includes frequency tolerance at room temperature.
	Supply Voltage	Vdd	+3.3V $\pm$ 0.3V	
	Operating Temperature Range	T_use	-10°C~+70°C	
	Current Consumption	Idd	25mA max.	When no load is applied.
	Stand-by Current (#1 pin, "L" Level)	I_std	0.05mA max.	High impedance output/ Oscillation stop
Output Characteristics	Output Disable Time	Tplz	100nsec. max.	
	Output Enable Time	Tpzi	10msec. max.	
	Symmetry	SYM	45%~55% (Fo $\leq$ 10MHz) 40%~60% (Fo>10MHz)	Vdd $\times$ 0.5 Level
	Rise and Fall Time	tr, tf	10ns max.	Vdd $\times$ 0.1~Vdd $\times$ 0.9
	"0" Level	Vol	Vdd $\times$ 0.1 max.	
	"1" Level	Voh	Vdd $\times$ 0.9 min.	
	Load Condition(C-MOS)	L_CMOS	30pF max.	
Input Characteristics	Input Voltage Level	Vil / Vih	Vdd $\times$ 0.3 max. / Vdd $\times$ 0.7 min.	
	Input Current	Iil / Iih	-0.05 mA max. / +0.05 mA max.	
Packing Unit			1000pcs./reel (ϕ 180)	

Consult our sales representative for other specifications.

Dimensions[mm]



Recommended Land Pattern [mm]

