

SMD Type Crystal Oscillators

DS0321SV



■ Features

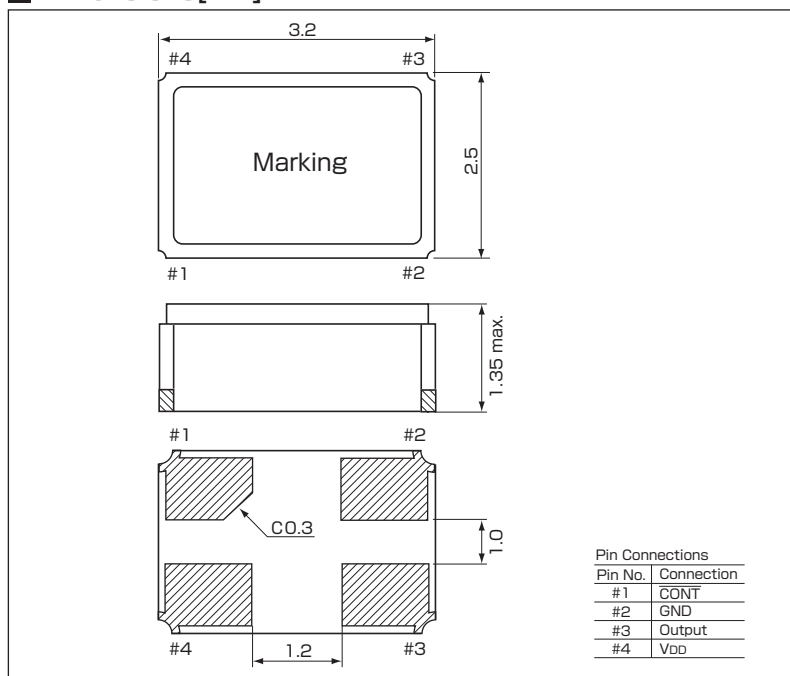
- Tri-state function.
- Achieved highest reliability with seam seal technology.
- Good for automatic mounting and reflow soldering.

■ Generic Specification

Item	Type	Legend	DS0321SV	Condition
Generic Characteristics	Output Frequency Range	F _o	2.500~40.000MHz	
	Frequency Stability	Δf/F _o	±100×10 ⁻⁶ (op. ±50×10 ⁻⁶)	-10~+70°C Includes frequency tolerance at room temperature.
	Supply Voltage	V _{DD}	+3.3V±0.3V	
	Operating Temperature Range	T _{OPR}	-10°C~+70°C	
	Current Consumption 1	I _{DD1}	10mA max.	When no load is applied.
Output Characteristics	Current Consumption 2	I _{DD2}	0.05mA max.	Output high impedance.
	Output Disable Time	T _{PLZ}	150nsec. max.	
	Output Enable Time	T _{PZL}	10msec. max.	
	Symmetry of Wave Form	Symmetry	45~55% (F _o ≤ 10MHz) 40~60% (F _o > 10MHz)	V _{DD} × 0.5 Level
	Rise and Fall Time	T _r , T _f	10nsec. max.	V _{DD} × 0.1 ~ V _{DD} × 0.9 Level
	"0" Level	V _{OL}	V _{DD} × 0.1 max.	
	"1" Level	V _{OH}	V _{DD} × 0.9 min.	
Input Characteristics	Output Load	C _L	15pF max.	
	Input Voltage Level	V _{IL} V _{IH}	V _{IL} = V _{DD} × 0.3 max. V _{IH} = V _{DD} × 0.7 min.	
	Input Current	I _{IL} I _{IH}	I _{IL} = -100 μA max. I _{IH} = +100 μA max.	

Consult our sales representative for other specifications or special specifications.

■ Dimensions [mm]



■ Recommended Land Pattern [mm]

