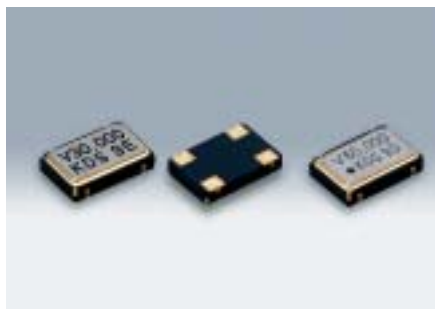


SMD Type Crystal Oscillators

DSO751S SERIES Low Voltage Type



Actual size

■ Features

- Features a package size of 7.3×4.9×1.7, miniature SMD-SPXO
- 3.3V operation, high speed (0.5MHz to 120MHz)
- $\Delta f/F_0 \leq \pm 30 \times 10^{-6}$ version is designed for visual applications. Available with fundamental frequencies of 28.636MHz, 28.375MHz and 14.318MHz.



■ Applications

- PC, peripherals, visual applications and other equipment

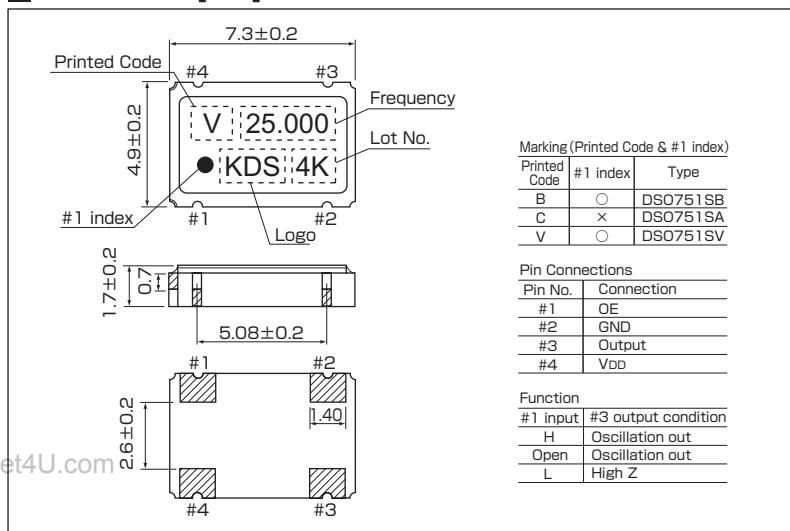
■ Standard Specification

Item	Type	Legend	DSO751SV	Condition
Standard Characteristics	Output Frequency Range	F ₀	0.5MHz~120MHz	
	Frequency Stability	$\Delta f/F_0$	$\pm 50 \times 10^{-6}$, $\pm 100 \times 10^{-6}$	-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}	25mA max. (F ₀ ≤67MHz) 45mA max. (67MHz<F ₀ ≤100MHz) 60mA max. (F ₀ >100MHz)	When no load is applied.
	Current Consumption 2 (1 pin, "L"Level)	I _{DD2}	20μA max.	High impedance output.
Output Characteristics	Output Disable Time	T _{PLZ}	100nsec. max.	
	Output Enable Time	T _{PZL}	5msec. max.	
	Symmetry	Symmetry	45~55% (F ₀ ≤10MHz), 40~60% (F ₀ >10MHz)	V _{DD} ×0.5 Level
	Rise and Fall Time	T _r , T _f	10nsec. max. (F ₀ ≤50MHz) 7nsec. max. (50MHz<F ₀ ≤67MHz) 5nsec. max. (F ₀ >67MHz)	V _{DD} ×0.1~V _{DD} ×0.9
	"0" Level	V _{OL}	V _{DD} ×0.1 max.	
	"1" Level	V _{OH}	V _{DD} ×0.9 min.	
	Load Condition(C-MOS)	C _L	30pF max. (F ₀ ≤100MHz), 15pF max. (F ₀ >100MHz)	
Input Characteristics	Input Voltage Level	V _{IL} / V _{IH}	V _{IL} =+0.6V max. / V _{IH} =+2.3V min.	
	Input Current	I _{IL} / I _{IH}	I _{IL} =-100μA max. / I _{IH} =+100μA max.	

Packing Unit : 1000pcs./reel (φ 254)

Consult our sales representative for other specifications.

■ Dimensions[mm]



■ Recommended Land Pattern [mm]

