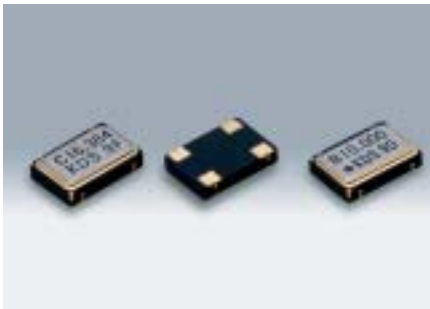


SMD Type Crystal Oscillators

DS0751S SERIES



Completely Lead-Free



Actual size

Features

- Miniature SMD-SPXO with outside dimensions 7.3×4.9×1.7.
- For visual application, $\Delta f/F_o \leq \pm 30 \times 10^{-6}$ is available. 28.636MHz, 28.375MHz, 14.318MHz.
- Tri-state function.

Applications

- PC and peripheral equipment.

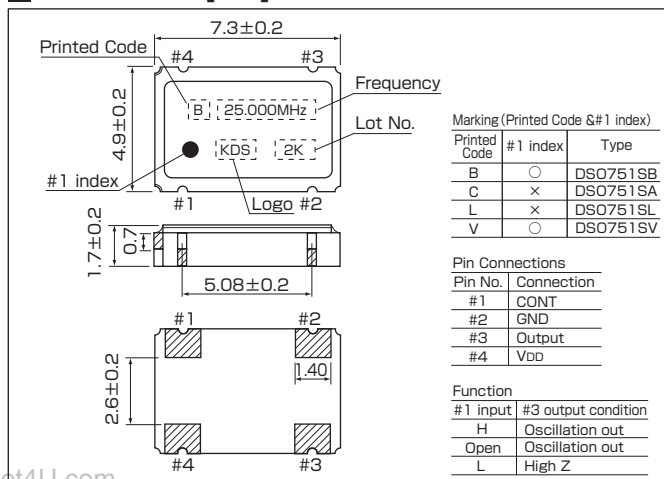
Generic Specification

Item	Type	Legend	DS0751SB	DS0751SA	Condition
Generic Characteristics	Output Frequency Range	F _o	1.8MHz~90MHz	1.8MHz~50MHz	
	Frequency Stability	$\Delta f/F_o$	$\pm 50 \times 10^{-6}$, $\pm 100 \times 10^{-6}$		-10~+70°C, Includes frequency tolerance at room temperature.
	Supply Voltage	V _{DD}	+5V±0.5V		
	Operating Temperature Range	T _{OPR}	-10~+70°C		
	Current Consumption 1	I _{DD1}	30mA max. (F _o ≤50MHz) 45mA max. (50MHz<F _o ≤75MHz) 60mA max. (F _o >75MHz)	30mA max.	When no load is applied.
	Current Consumption 2 (1 pin, "L" Level)	I _{DD2}	20mA max. (F _o ≤50MHz) 30mA max. (50MHz<F _o ≤70MHz) 40mA max. (F _o >70MHz)	15mA max.	High impedance output.
Output Characteristics	Output Disable Time	T _{PLZ}	100nsec. max.		
	Output Enable Time	T _{PZL}	100nsec. max.		
	Symmetry of Wave Form	Symmetry	45%~55% (F _o ≤10MHz) 40%~60% (F _o >10MHz)		SB : V _{DD} ×0.5 Level SA : 1.4VDC Level
	Rise and Fall Time	T _r , T _f	10nsec. max. (F _o ≤50MHz) 8nsec. max. (50MHz<F _o ≤70MHz) 5nsec. max. (F _o >70MHz)	10nsec. max. (F _o ≤20MHz) 5nsec. max. (20MHz<F _o ≤50MHz)	SB : V _{DD} ×0.1~V _{DD} ×0.9 SA : +0.5V~+2.4VDC Level
	"0"Level	V _{OL}	+0.5V max.		
	"1"Level	V _{OH}	V _{DD} ×0.9 min.		
	Load Condition(TTL)	N	10LS-TTL max.		SB : R _L =1.5kΩ SA : R _L =390Ω
	Load Condition(C-MOS)	CL	50pF max. (F _o ≤50MHz) 15pF max. (F _o >50MHz)		15pF max.
Input Characteristics	Input Voltage Level	V _{IL} / V _{IH}	V _{IL} =+0.8V max. / V _{IH} =+2.2V min.		
	Input Current	I _{IL} / I _{IH}	I _{IL} = -150μA max. / I _{IH} =+100μA max.		

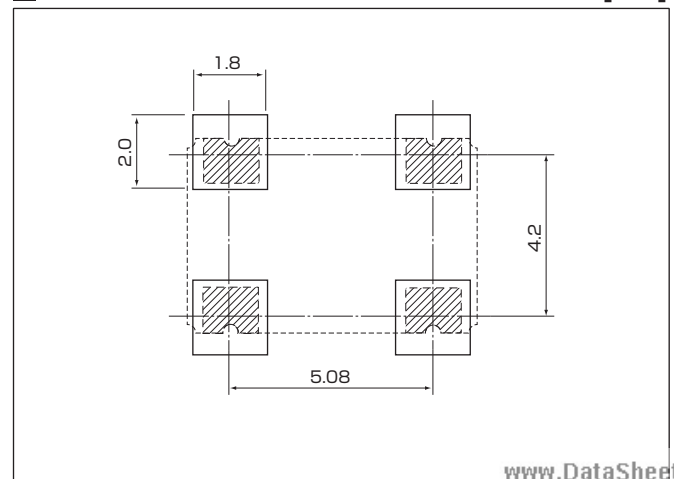
Packing Unit : 1000pcs./reel (φ 254)

Consult our sales representative for other specifications.

Dimensions [mm]



Recommended Land Pattern [mm]



www.DataSheet4U.com