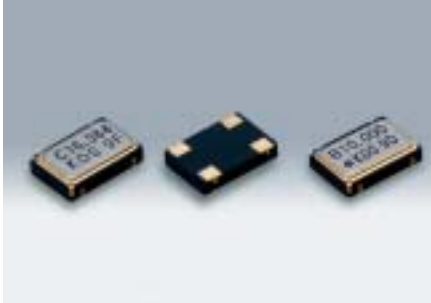


SMD Type Crystal Oscillators

DS0751S SERIES



Features

- For visual application, $\Delta f / f_0 \leq \pm 30 \times 10^{-6}$ is available. 28.636MHz, 28.375MHz, 14.318MHz.
- Achieved highest reliability with seam seal technology.
- Complete lead-free.

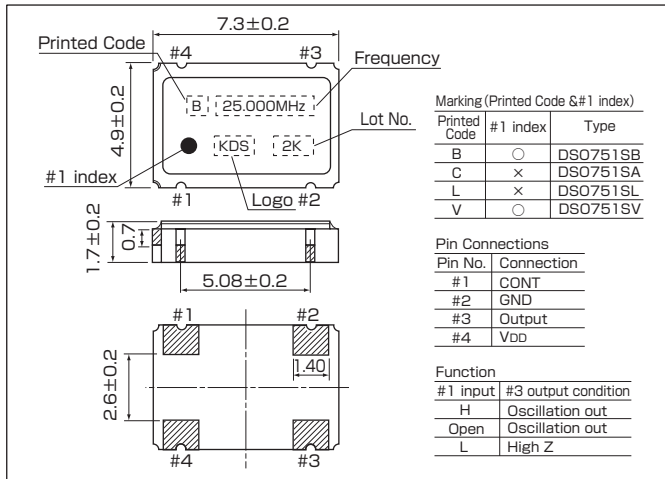
Generic Specification

Item	Type	Legend	DS0751SB	DS0751SA	Condition
Generic Characteristics	Output Frequency Range	F ₀	1.8MHz~90MHz	1.8MHz~50MHz	
	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}	+5V±0.5V		
	Operating Temperature Range	T _{opr}	-10~+70°C		
	Current Consumption 1	I _{DD1}	30mA max. (F ₀ ≤50MHz) 45mA max. (50MHz<F ₀ ≤75MHz) 60mA max. (75MHz<F ₀)	30mA max.	When no load is applied.
	Current Consumption 2 (1 pin, "L" Level)	I _{DD2}	20mA max. (F ₀ ≤50MHz) 30mA max. (50MHz<F ₀ ≤70MHz) 40mA max. (F ₀ >70MHz)	15mA max.	Output high impedance.
Output Characteristics	Output Disable Time	T _{PLZ}	100nsec. max.		
	Output Enable Time	T _{PZL}	100nsec. max.		
	Symmetry of Wave Form	Symmetry	45%~55% (F ₀ ≤10MHz) 40%~60% (F ₀ >10MHz)	45%~55% (F ₀ ≤10MHz) 40%~60% (F ₀ >10MHz)	SB : V _{DD} ×0.5 Level SA : 1.4VDC Level
	Rise and Fall Time	T _r ,T _f	10nses. max. (F ₀ ≤50MHz) 8nses. max. (50MHz<F ₀ ≤70MHz) 5nses. max. (F ₀ >70MHz)	10nsec. max. (F ₀ ≤20MHz) 5nsec. max. (20MHz<F ₀ ≤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 ₀ ≤50MHz) 15pF max. (F ₀ >50MHz)		
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

Consult our sales representative for other specifications or special specifications.

Dimensions [mm]



Recommended Land Pattern

[mm]

