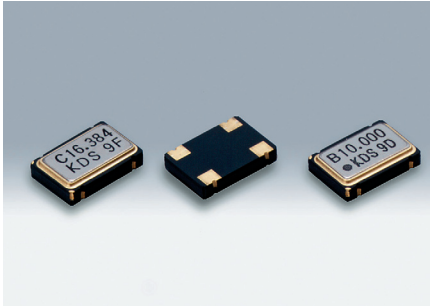


SMD Crystal Oscillators

DS0751S SERIES



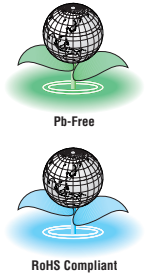
Actual size

Features

- Package size: 7.3×4.9×1.7
- $F_{tol} \leq \pm 30 \times 10^{-6}$ product is available for video applications. 28.636MHz, 28.375MHz and 14.318MHz frequencies are available.
- Tri-state function

Applications

- PC and peripherals

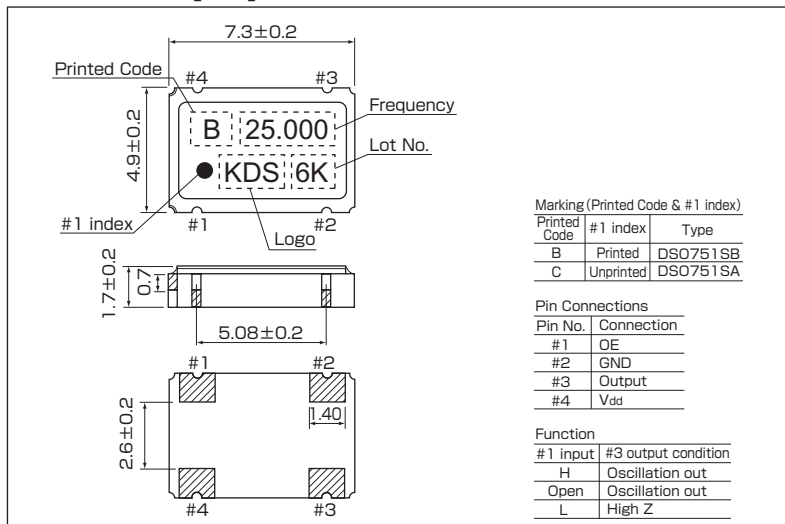


Standard Specification

Item	Type	Legend	DS0751SB	DS0751SA	Condition
Standard Characteristics	Output Frequency Range	Fo	1.8MHz~90MHz	1.8MHz~50MHz	
	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	+5V±0.5V		
	Operating Temperature Range	T_use	-10~+70°C		
	Current Consumption	Idd	30mA max. (Fo≤50MHz) 45mA max. (50MHz<Fo≤75MHz) 60mA max. (Fo>75MHz)	30mA max.	When no load is applied.
	Stand-by Current	I_std	20mA max. (Fo≤50MHz) 30mA max. (50MHz<Fo≤70MHz) 40mA max. (Fo>70MHz)	15mA max.	High impedance output
Output Characteristics	Output Disable Time	Tplz	100nsec. max.		
	Output Enable Time	Tpzi	100nsec. max.		
	Symmetry	SYM	45%~55% (Fo≤10MHz) 40%~60% (Fo>10MHz)		SB : V _{dd} ×0.5 Level SA : 1.4VDC Level
	Rise and Fall Time	tr, tf	10nsec. max. (Fo≤50MHz) 8nsec. max. (50MHz<Fo≤70MHz) 5nsec. max. (Fo>70MHz)	10nsec. max. (Fo≤20MHz) 5nsec. max. (Fo>20MHz)	SB : V _{dd} ×0.1~V _{dd} ×0.9 SA : +0.5V~+2.4Vdc Level
	"0" Level	Vol	+0.5V max.	+0.5V max.	
	"1" Level	Voh	V _{dd} ×0.9 min.	+2.4V min.	
	Load Condition(TTL)	L_ttl	10LS-TTL max.	10TTL max.	SB : R _L =1.5kΩ SA : R _L =390Ω
	Load Condition(C-MOS)	L_cmos	50pF max. (Fo≤50MHz) 15pF max. (Fo>50MHz)	15pF max.	
Input Characteristics	Input Voltage Level	Vil / Vih	+0.8V max. / +2.2V min.		
	Input Current	Iil / Iih	-150μA max. / +100μA max.		
Packing Unit			1000pcs./reel (φ254)		

Consult our sales representative for other specifications.

Dimensions[mm]



Recommended Land Pattern [mm]

