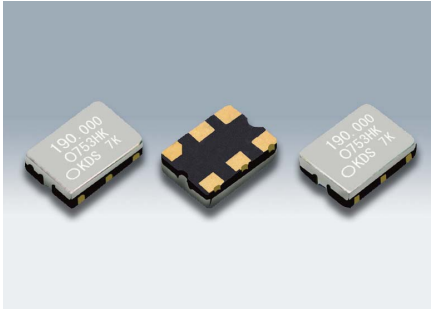


SMD Crystal Oscillators

DS0753H SERIES



Actual size

■ Features

- Available with three types of output functions: CMOS, PECL, LVDS
- Differential output (PECL, LVDS)
- Low jitter
- 3-state function



RoHS Compliant

■ Applications

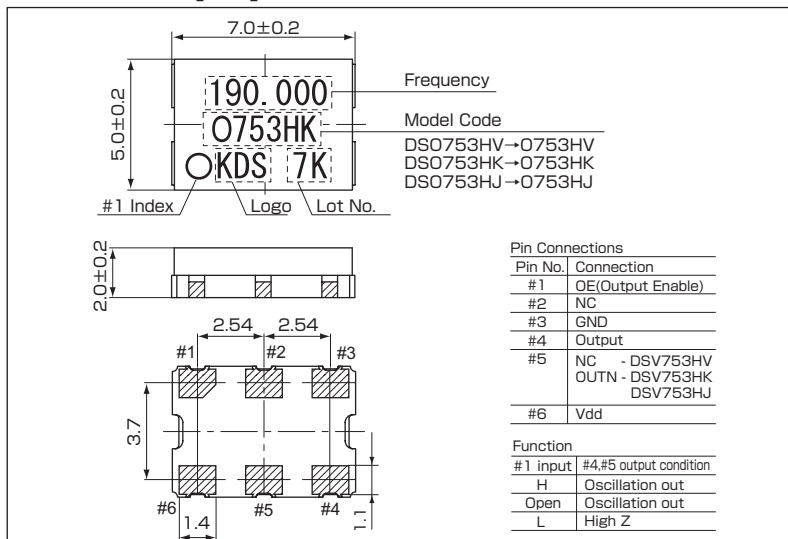
- Optical transmission device, radio transmitter-receiver equipment

■ Standard Specification

Item	Type	Legend	DSO753HV	DSO753HK	DSO753HJ
Output Specification	—		CMOS	LV-PECL	LVDS
Output Frequency Range	fo		150~230MHz	160~230MHz	160~230MHz
Supply Voltage	Vdd			+3.3±0.165V	
Storage Temperature Range	T_stg			-40~+85°C	
Operating Temperature Range	T_use			-20~+70°C	
Frequency Tolerance	f_tol			±50×10 ⁻⁶ max.	
Current Consumption	Idd		70mA max.	80mA max.	60mA max.
Output Load			15pF max.	50Ω to Vdd-2V	100Ω Output-OUTN
Symmetry	SYM		45~55%[50% Vdd Level]	45~55%[at outputs cross point]	
Rise and Fall Time	tr, tf		2.0ns max.[10~90% Vdd Level]	1.0ns max.[20~80% Output Level]	
0 Level Output Voltage	Vol		Vdd×0.1 max.	Vdd-1.81~Vdd-1.62V	—
1 Level Output Voltage	Voh		Vdd×0.9 min.	Vdd-1.025~Vdd-0.88V	—
Differential Output Voltage	VOD1, VOD2		—	—	0.247~0.454V
Change to VOD	ΔVOD		—	—	50mV[ΔVOD= VOD1-VOD2]
Offset Voltage	VOS1, VOS2		—	—	1.125~1.375V
Change to Vos	ΔVOS		—	—	50mV[ΔVOS= VOS1-VOS2]
Output Enable Time	Tpzi			2ms max.	
Output Disable Time	Tplz			200ns max.	
OE Pin 0 Level Input Voltage	Vil			Vdd×0.3 max.	
OE Pin 1 Level Input Voltage	Vih			Vdd×0.7 min.	
Packing Unit			100pcs. / reel or 500pcs. / reel (φ 180)		

Consult our sales representative for other specifications.

■ Dimensions[mm]



■ Recommended Land Pattern [mm]

