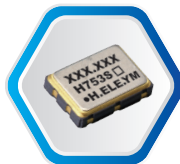




HSO753S SERIES

CRYSTAL OSCILLATOR, DIFFERENTIAL OUTPUT

☑ RoHS Compliant ☑ Pb Free



STANDARD SPECIFICATION

Items		Parameter	
Output Specification		LV-PECL	LVDS
Output Frequency Range		25~212.5MHz	
Supply Voltage		+2.5±0.125V, +3.3±0.165V	
Current Consumption		80mA	80mA
Stand-by Current (#1 pin = "L" Level)		10µA Max.	
Load Resistance		50Ω to vdd-2	100Ω Output-OUTN
Symmetry [at outputs cross point]		45~55%	
Start-up Time		10 ms Max.	
"0" Level Output Voltage		Vdd-1.81~Vdd-1.62V	-
"1" Level Output Voltage		Vdd-1.025~Vdd-0.88V	-
Rise and Fall Time		1ns Max. [20~80% Output Level]	1ns Max. [20~80% Output Level]
OE Pin 0 Level Input Voltage		Vdd×0.3 Max.	
OE Pin 1 Level Input Voltage		Vdd×0.7 Min.	
Phase Jitter	25≤f0≤40	1ps Max. (F offset : 12KHz ~ 5MHz)	
	40≤f0≤212.5	1ps Max. (F offset : 12KHz ~ 20MHz)	

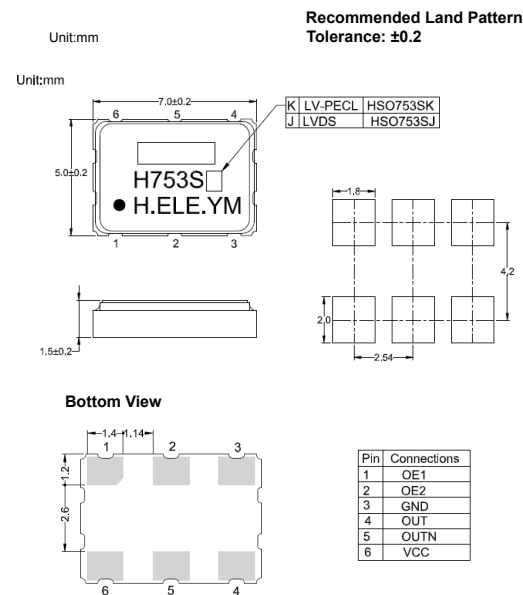
FREQUENCY STABILITY OVER OPERATING TEMPERATURE RANGE

Operating Temperature	Stability
-10 ~ +70°C	±20ppm
-40 ~ +85°C	±25ppm
-40 ~ +125°C	±100 ppm

*For other specification, please contact us.

Packing Unit : 1,000pcs/Reel.

DIMENSION



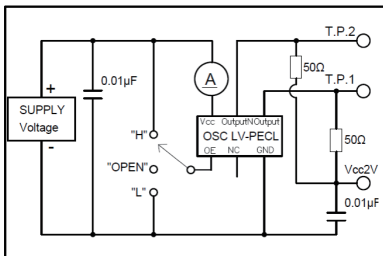
Actual Size



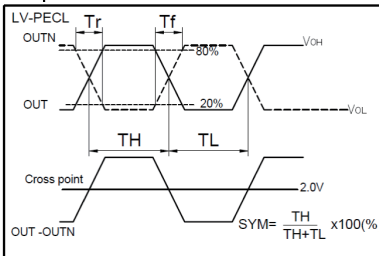
TEST CIRCUIT AND OUTPUT WAVEFORM

■ LV-PECL

Measurement Circuit

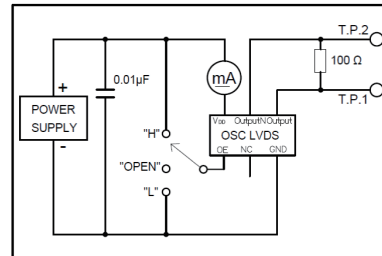


Output Waveform

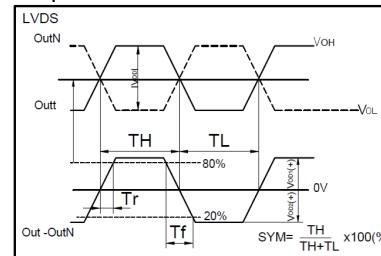


■ LVDS

Measurement Circuit

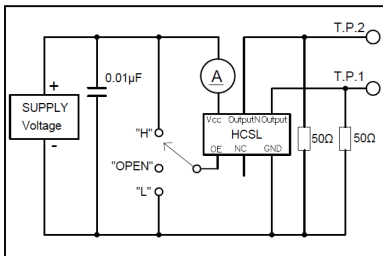


Output Waveform



■ HCSL

Measurement Circuit



Output Waveform

