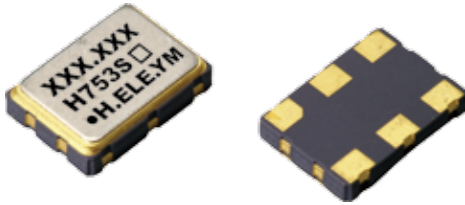


## HSO753S Series-7.0mm x 5.0mm

### CRYSTAL OSCILLATOR, DIFFERENTIAL OUTPUT



#### Features

- Low power supply voltage (2.5V/3.3V) and wide frequency range (25MHz to 212.5MHz).
- LV-PECL and LVDS output options.
- Excellent phase noise and jitter max. 1ps integrated 12 KHz ~ 20 MHz.
- Tri-state function available.
- Ideal for Fiber-optic communication applications, FTTH and SONET/SDH applications, Server, FC-HBA, Fibre Channel, Gigabit Ethernet, and Serial ATA, and Router.

#### STANDARD SPECIFICATION:

ITEMS	PARAMETER	
	LV-PECL	LVDS
Output Specification	LV-PECL	LVDS
Output Frequency Range	25 ~ 212.5MHZ	
Supply Voltage	+2.5±0.125V / +3.3±0.165V	
Frequency Tolerance	±50ppm max	
Operating Temp.	-10°C ~ 70°C	
Storage Temp.	-40°C ~ 85°C	
Current Consumption	80mA	80mA
Stand-by Current (#1 pin "L" Level)	10µA max.	
Load Resistance	50Ω to vdd-2	100Ω Output-OUTN
Symmetry	45 ~ 55% [at outputs cross point]	
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	25M ≤ f <sub>0</sub> ≤ 40MHz, f <sub>0</sub> offset : 12KHz ~ 5MHz; f <sub>0</sub> ≤ 40MHz, f <sub>0</sub> offset : 12KHz ~ 20MHz	

Packing Unit : 1,000pcs/Reel.

#### DIMENSION

Unit: mm

