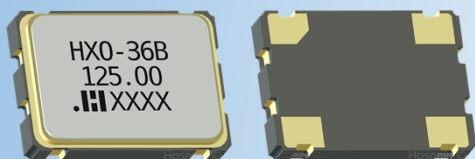


● D7SX Series

7.0×5.0×1.5mm



Features

- Small SMD package
- Low power standby mode

Applications

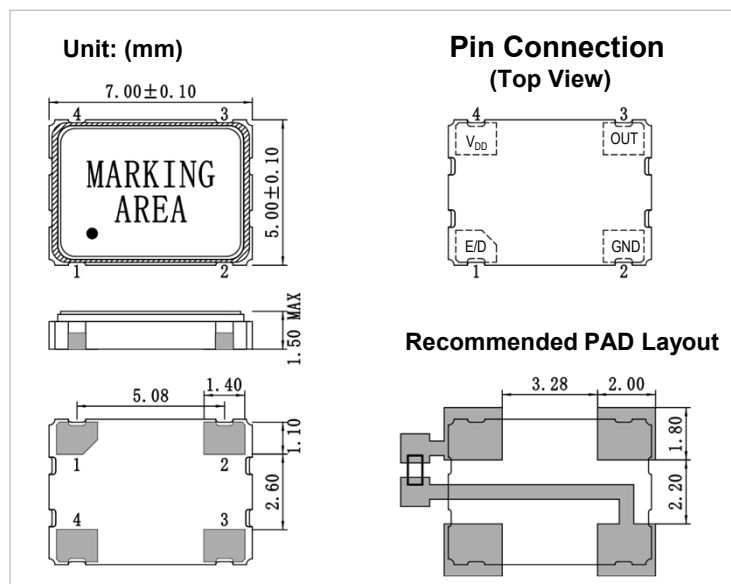
- High quality audio
- Communication equipment
- Server
- Industry

Electrical Specifications

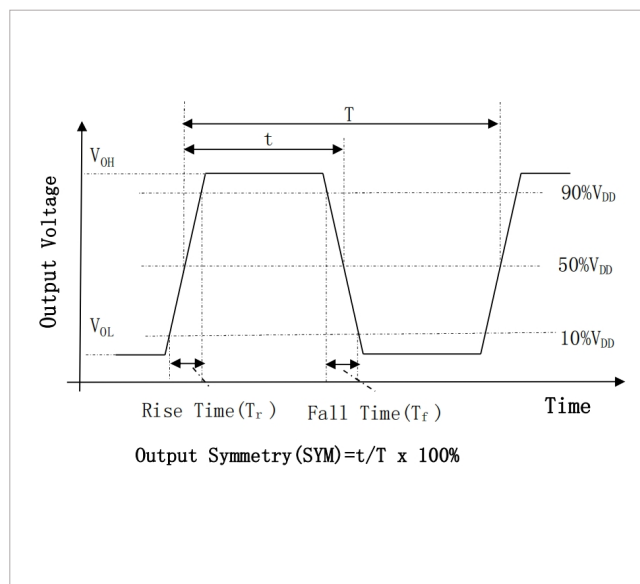
Item	Symbol	Condition	D7SX		
Frequency Range	f_{nom}	-	1 ~ 156.25MHz		
Output Type	-	-	CMOS		
Output Load	-	-	15pF, or specify		
Frequency Stability*	f_{stb}	All Condition*	± 25 ppm, or specify		
Operating Temperature Range	T_{opr}	-	$-20 \sim +70^{\circ}\text{C}$, or specify		
Storage Temperature Range	T_{stg}	-	$-40 \sim +85^{\circ}\text{C}$		
Power Supply Voltage	V_{DD}	-	$3.3\text{V} \pm 10\%$	$2.8\text{V} \pm 10\%$	$1.8\text{V} \pm 10\%$
Supply Current (At 15pF Load)	I_{DD}	1.0 ~ 19.9MHz	5mA max.	4mA max.	3mA max.
		20.0 ~ 39.9MHz	8mA max.	7mA max.	5mA max.
		40.0 ~ 99.9MHz	20mA max.	18mA max.	16mA max.
		100.0 ~ 156.25MHz	35mA max.	30mA max.	25mA max.
Rise Time / Fall Time	T_r/T_f	$10\%V_{DD} \sim 90\%V_{DD}$	4ns max.	5ns max.	6ns max.
Output Voltage	V_{OH}	-	$90\%V_{DD}$ min.		
	V_{OL}	-	$10\%V_{DD}$ max.		
Output Symmetry	SYM	At $1/2 V_{DD}$	45% ~ 55%		
Stand-by Current	I_{st}	-	10 μ A max.		
Start-up time	-	-	5ms max.		
Aging (At 25°C)	-	-	± 3 ppm/year max.		
Pin 1, Enable/Disable function	E/D	-	Pin 1="High" or "open".....output active at pin 3 Pin 1="Low".....high impedance at pin 3		

* Include : 25°C tolerance, operating temperature range, input voltage change, aging, load change.

Mechanical Dimensions



Output Waveform



** 0.01 μ F bypass capacitor should be placed between V_{DD} (pin 4) and GND (pin 2) to minimize power supply line noise.

单击下面可查看定价，库存，交付和生命周期等信息

[>>Hosonic\(鸿星\)](#)