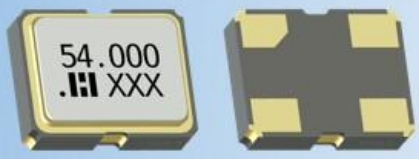
Hosonic

SMD Crystal Oscillators

D3SX Series 3.2×2.5×1.2mm



Features
- Small SMD package
- Low power standby mode

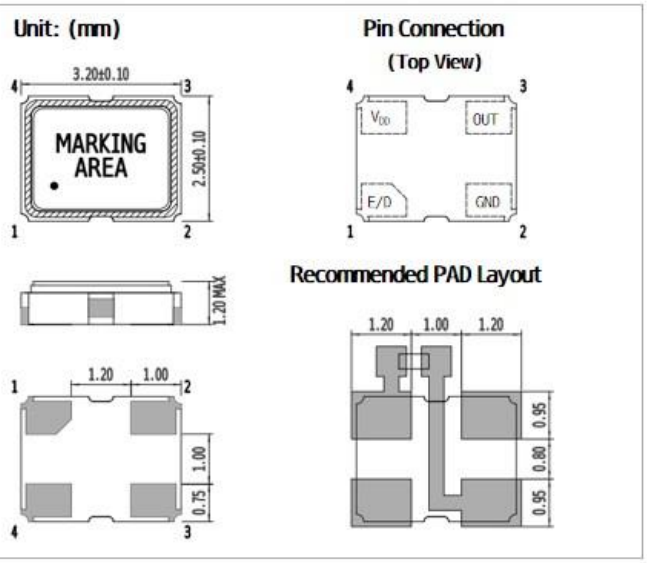
Applications
- High quality audio
- Communication equipment
- Server
- Industry

Electrical Specifications

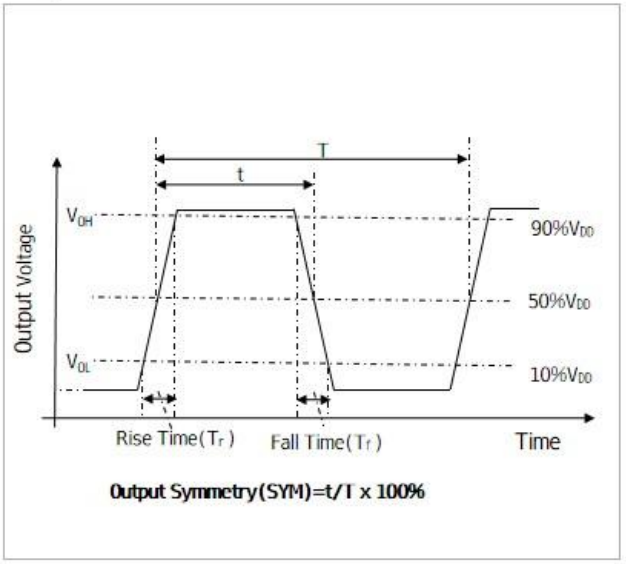
Item	Symbol	Condition	D3SX		
Frequency Range	f_{nom}	-	1~156.25MHz		
Output Type	-	-	CMOS		
Output Load	-	-	15pF. or specify		
Frequency Stability*	f_{stb}	All Condition*	±25ppm. or specify		
Operating Temperature Range	T_{opr}	-	-20~+70℃. or specify		
Storage Temperature Range	T_{stg}	-	-40~+85℃		
Power Supply Voltage	V_{DD}	-	3.3V±10%	2.8V±10%	1.8V±10%
Supply Current (At 15pF Load)	I_{DD}	1.0~19.9MHz	5mA max.	4mA max.	3mA max.
		20.0~63.9MHz	8mA max.	7mA max.	5mA max.
		64.0~99.9MHz	20mA max.	18mA max.	16mA max.
		100.0~156.25MHz	35mA max.	25mA max.	20mA max.
Rise Time / Fall Time	T_r/T_f	10%V_{DD}~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	Ist	-	10μA max.		
Start-up time	-	-	5ms max.		
Aging (At 25℃)	-	-	±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℃ tolerance, operating temperature range, input voltage change, aging, load change.

Mechanical Dimensions



Output Waveform



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

深圳市满度科技有限公司
Web:www.manduic.com
Tel:150-1290-5940
Email:sales@manduic.com

微信扫码咨询客服