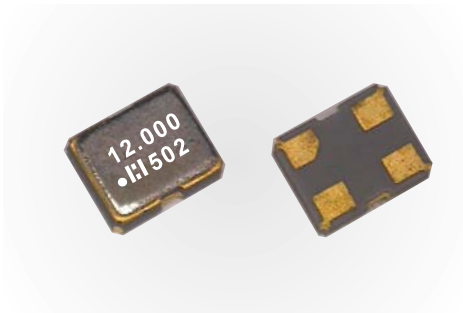


•D1SX Series 2.0*1.6 OSC



FEATURES

- 2.0X1.6X0.8 Miniature Package
- Tri-State Enable/Disable
- TTL/CMOS compatible
- Home security devices, power saving application, and low frequency specification circuit design looking for a smaller package
- 3.3V, 2.8V(2.5V), 1.8V option

Electrical Specifications

Parameter	Condition	D1SX		
Frequency Range	F ₀	1~60MHz		
Frequency Stability*	All Condition*	±25ppm, ±50ppm, ±100ppm		
Operating Temperature Range	T _{OPR}	-20℃~+70℃(-40℃~+85℃ option)		
Storage Temperature Range	T _{STG}	-55℃~+125℃		
Power supply Voltage	V _{DD}	3.3V+/-10%	2.8V+/-10%	1.8V+/-10%
Supply Current	I _{DD}	1.000MHz to 9.999MHz	8mA Max	7mA Max
		10.000MHz to 34.999MHz	10mA Max	8mA Max
		35.000MHz to 49.999MHz	25mA Max	20mA Max
		50.000MHz to 54.000MHz	35mA Max	30mA Max
Output Symmetry	Sym	At 1/2V _{DD}	40/60%(45/55% Option)	
Rise time	T _r	10%V _{DD} ~90%V _{DD}	5 nS Max	6 nS Max
Fall Time	T _f	90%V _{DD} ~10%V _{DD}	5 nS Max	6 nS Max
Output Voltage	V _{OH}		90% V _{DD} Min	
	V _{OL}		10% V _{DD} Max	
Output Load	HCMOS Load		15pF Typ.	
Start Time	T _s		10mS Max	
Stand-by Function			Yes	
Aging(First Year)		25℃ ±3℃	±2ppm Max	
Pin 1,tri-state function			Pin 1=H or open....Output active at pin 3	
			Pin 1=L.....high impedance at pin 3	

*Include: 25℃ tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration

Mechanical Dimensions(mm)

