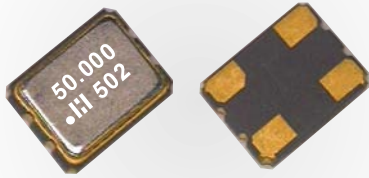




SMD CRYSTAL OSCILLATOR



• D3SX Series 3.2*2.5 OSC



FEATURES

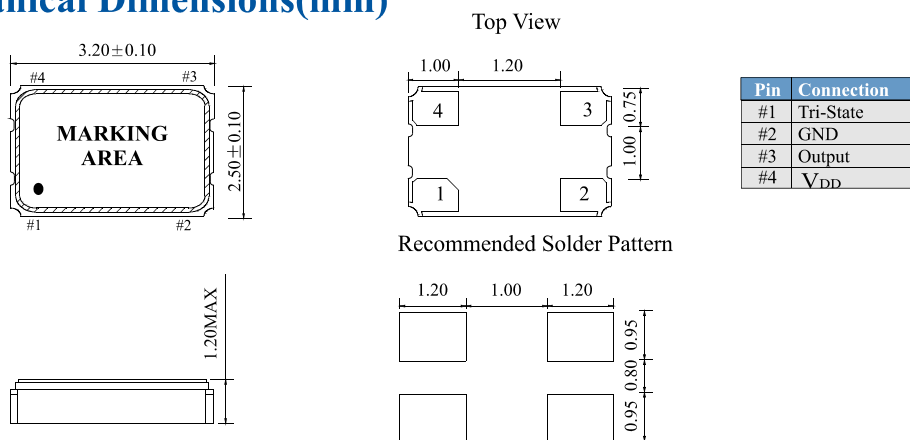
- 3.2X2.5X1.2 Miniature Package
- Tri-State Enable/Disable
- TTL/HCMOS compatible
- Home security devices, power saving application, and low frequency specification circuit design looking for a smaller package
- 5.0V, 3.3V, 2.8V(2.5V), 1.8V option

Electrical Specifications

Parameter	Condition	D3SX				
Frequency Range	F0	1~54MHz	1~125MHz			
Frequency Stability*	All Condition	± 25ppm, ± 50ppm, ± 100ppm				
Operating Temperature Range	T _{OPR}	-20°C~+70°C (-40°C~+85°C option)				
Storage Temperature Range	T _{STG}	-55°C~+125°C				
Power supply Voltage	V _{DD}	5.0V+/-10%	3.3V+/-10%	2.8V+/-10%	1.8V+/-10%	
Supply Current	I _{DD}	1MHz to 9.999MHz	15mA Max	8mA Max	7mA Max	6mA Max
		10MHz to 34.999MHz	20mA Max	10mA Max	8mA Max	7mA Max
		35MHz to 49.999MHz	35mA Max	25mA Max	20mA Max	15mA Max
		50MHz to 54.000MHz	40mA Max	35mA Max	30mA Max	25mA Max
Output Symmetry	Sym	At 1/2V _{DD}				
Rise time	T _r	10%V _{DD} ~90%V _{DD}				
Fall Time	T _f	90%V _{DD} ~10%V _{DD}				
Output Voltage	V _{OH} V _{OL}	90% V _{DD} Min 10% V _{DD} Max				
Output Load	HCMOS Load	15pF Typ.				
Start Time	T _s	10mS Max				
Stand-by Function		Yes				
Aging(First Year)	25°C ± 3°C	± 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				
Packing Unit		3000pcs/reel				

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

Mechanical Dimensions(mm)



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