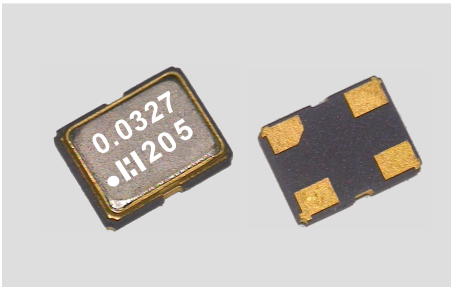


• D3SX Series

3225 RTC (32.768KHz OSC)



FEATURES

- 32.768KHz
- Tri-State Enable/Disable
- TTL/CMOS compatible
- Tape and Reel
- Low current consumption
- 3.3V, 2.5V and 1.8V option
- RF power saving application on portable devices

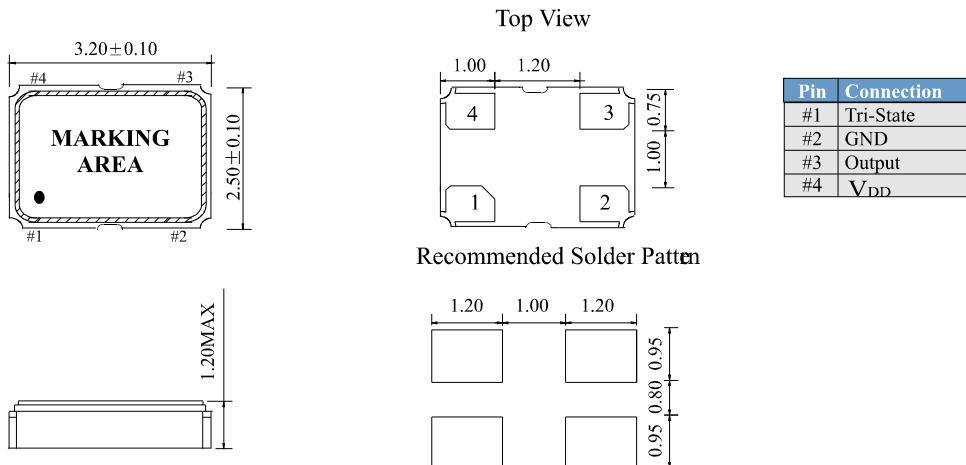
Electrical Specifications

Parameter	Condition	D3SX		
Frequency Range	F ₀	32.768KHz		
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}	3.3V ± 10%	2.5V ± 10%	1.8V ± 10%
Supply Current	I _{DD}	1mA Max		
Output Symmetry	Sym	At 1/2V _{DD}		
		40/60% (45/55% Option)		
Rise time	T _r	10% V _{DD} ~ 90% V _{DD}		
		10nS Max		
Fall Time	T _f	90% V _{DD} ~ 10% V _{DD}		
		10nS Max		
Output Voltage	V _{OH}	90% V _{DD} Min		
	V _{OL}	10% V _{DD} Max		
Output Load HCMOS Load	CL	15pF Max		
Start Time	T _s	10mS Max		
Aging (First Year)		± 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

**Please contact us for inquiries regarding other frequency

Mechanical Dimensions(mm)



**Note: A 0.01uF bypass capacitor should be placed between V_{DD}(Pin4) and GND(Pin2) to Minimize power supply line noise

RTC