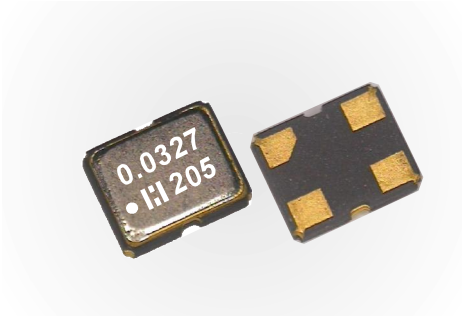


## • D2SX Series

## 2520 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

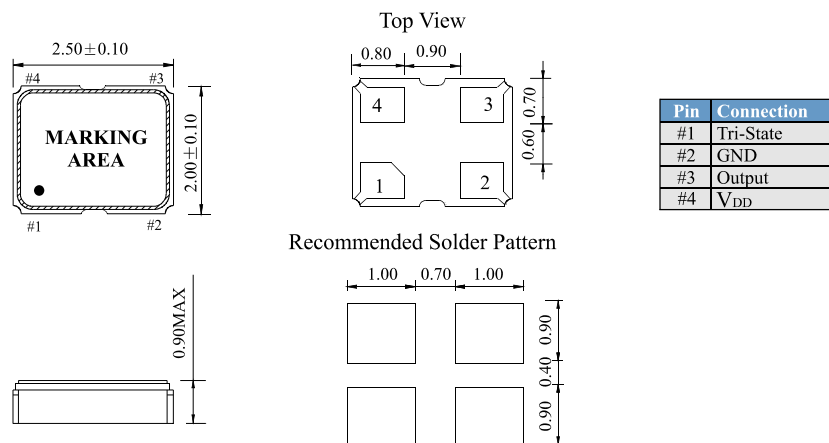
### Electrical Specifications

Parameter	Condition	D2SX		
Frequency Range	F <sub>0</sub>	32.768KHz		
Frequency Stability*	All Condition	± 25ppm, ± 50ppm, ± 100ppm		
Operating Temperature Range	T <sub>OPR</sub>	-20°C ~ +70°C (-40°C ~ +85°C option)		
Storage Temperature Range	T <sub>STG</sub>	-55°C ~ +125°C		
Power supply Voltage	V <sub>DD</sub>	3.3V ± 10%	2.5V ± 10%	1.8V ± 10%
Supply Current	I <sub>DD</sub>	1mA Max		
Output Symmetry	Sym	At 1/2V <sub>DD</sub>		
Rise time	T <sub>r</sub>	10nS Max		
Fall Time	T <sub>f</sub>	10nS Max		
Output Voltage	V <sub>OH</sub>	90% V <sub>DD</sub> Min		
	V <sub>OL</sub>	10% V <sub>DD</sub> Max		
Output Load HCMOS Load	CL	15pF Max		
Start Time	T <sub>s</sub>	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: 0.01uF bypass capacitor should be placed between V<sub>DD</sub>(Pin4) and GND(Pin2) to Minimize power supply line noise

RTC