

# SMD 2520 RTC Crystal Oscillator

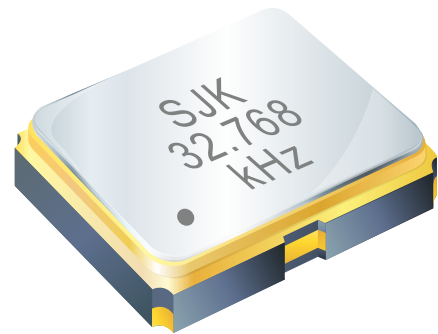


Size: 2.5×2.0×0.90 mm

9D Series SMD RTC Oscillator

## Features

- 2520 size, 0.90mm high, ultra small 32.768kHz SMD RTC oscillator in seam sealed ceramic package.
- Low voltage operation: 1.8V~3.3V.
- Use AT crystal as the resonator for good temperature performance.
- 3-state function.
- Automatic mounting and reflow soldering.
- Applications: Mobile phone, WLAN, WiMAX, DSC, HDTV, Automotive multimedia device, Timer module, etc.
- Low power consumption.
- RoHS Compliant / Pb-Free.



## Electrical Specifications

Item /Type	9D (SMD 2520 RTC Crystal Oscillator)
Norminal Frequency	32.768 kHz
Osclator Mode	AT Fundamental
Oscillation Mode	CMOS
Output Type	15pF, or specify
Supply voltage	1.8V, 2.8V, 3.3V
Frequency Stability	±25ppm, or specify
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Voltage Vol (Max.) / Voh (Min.)	0.1VDD / 0.9VDD
Rise(Tr) / Fall(Tf) Time	200ns Max.
Current Consumption	3mA Max.
Symmetry	45~55%
Start-up Time	2ms Max
3-state Voltage Vol (Max.) / Voh (Min.)	0.3VDD /0.7VDD
Aging (at 25°C)	±3ppm/Year Max.

## Dimensions

Units:mm

