



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.



Electrical Specifications

Type	SMD 2520 RTC CRYSTAL OSCILLATOR
Nominal Frequency	32.768 kHz
Oscillator Mode	AT Fundamental
Output Type	CMOS
Output Load	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.

Ordering Information

KRT2520	15	18	25	A	
Product Code	Output Load 15=15pF	Supply Voltage 18=1.8V	Frequency Stability 25=±25ppm	Operating Temperature	
				A:-20~+70°C	D:-40~+125°C
				B:-10~+70°C	E:-10~+60°C
				C:-40~+85°C	F:-30~+70°C

Dimension

Units:mm

