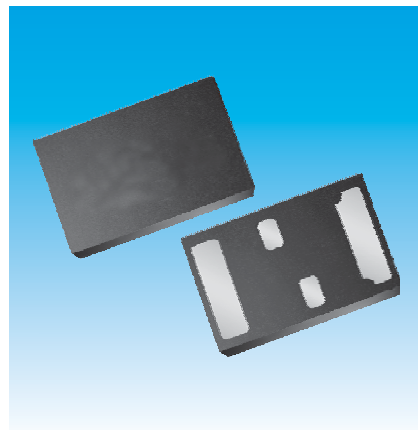


Features

- <20ppm initial tolerance
- <100ppm stability over -40~+85°C
- Small size package: 2.0×1.2mm
- SOT23-5 package option for industrial and automotive applications
- Ultra-low power: 1.0μW
- Vdd supply voltage: 1.5V~3.63V
- Wide operating temperature range options
- Automatic mounting and reflow soldering
- Applications: RTC reference clock, WiFi, Bluetooth modules, etc.
- RoHS Compliant /Pb Free

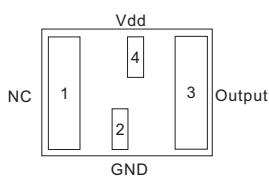


Standard Specification

Item /Type	SJK1630
Frequency	32.768kHz /16.384kHz
Supply Voltage	1.5V~3.63V
Initial Tolerance	20ppm Max.
Frequency Stability	±75ppm~±150ppm
Operating Current	1μA Typ.
Power-supply Ramp	100ms Max.
Start-up Time at Power-up	180ms Typ.
Commercial Temperature	-10~+70°C
Industrial Temperature	-40~+85°C
Extended Industrial Temperature	-40~+105°C
Extended Cold Industrial Temperature	-55~+85°C
Automotive Temperature Range	-55~+105°C
Output Rise/Fall Time	200ns Max.
Output Clock Duty Cycle	48~52%
Voltage Vol (Max.) /Voh (Min.)	10%Vdd /90%Vdd
Maximum Output Drive	50pF Max.
Period Jitter	35ns Typ.
Storage Temperature	-65~+165°C
Aging (at 25°C)	±1ppm at First Year
Packing Unit	3000pcs./reel

Pin Functions

Top View



Pin Connections

Pin No.	SOT23-5 Pin	Connection
1	2, 3	NC /GND
2	1	GND
3	5	Output
4	4	Vcc

Dimensions [mm]

