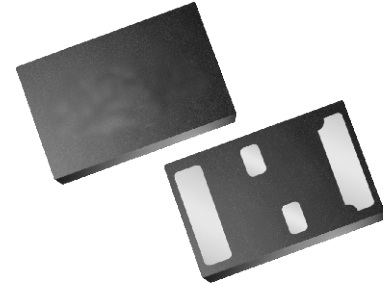


SMD Type		Output	Best Stability	Low Power	Supply Voltage	Nominal Frequency
<b>SJK1532</b> [ 1.5×0.8×0.6 mm ]	<b>SJK1630</b> [ 2.0×1.2×0.55 mm ]	<b>LVCMOS</b>	<b>10 ppm</b>	<b>1.0 μA</b>	<b>1.2V ~ 3.63V</b>	<b>32.768 /16.384 kHz</b>

## Features

- Ultra smallest size Surface mount package: 1.5×0.8 (SiT1532), 2.0×1.2,(SiT1630), mm×mm
- Ultra-low power: 1.0μA
- High frequency tolerance: 10ppm
- Vdd supply voltage: 1.2V to 3.63V
- LVCMOS output type, frequency output: 16.384kHz, 32.768kHz
- RoHS and REACH Compliant, Pb-Free
- Wide operating temperature range options
- Applications: WiFi and bluetooth modules, Reference time clock, Mobile phone, Tables, Fitness watch, Battery management, etc.



## Standard Specifications

Item / Type	SJK1532	SJK1630
Dimensions	1.5×0.8×0.6 mm	2.0×1.2×0.55 mm
Output frequency range	32.768 kHz	16.384kHz or 32.768 kHz
Frequency tolerance	±10ppm, ±20ppm	±20ppm
Frequency stability	±75ppm, ±100ppm, ±250ppm	±75ppm, ±100ppm, ±150ppm
Supply voltage	1.2V~3.63V, 1.5V~3.63V	1.5V~3.63V
Operating temperature	-10°C~+70°C, -40°C~+85	-10°C~+70°C, -40°C~+85 -40°C~+105°C, -55°C~+85
Operating current	1.4μA max.	2.8μA max.
Power-supply ramp	100ms max.	
Start-up time at power-up	450ms max.	
Rise/Fall time	200ns max.	
Duty cycle	48%~52%	
Output voltage high (Voh)	90%Vdd min.	
Output voltage low (Vol)	10%Vdd max.	
Maximum output drive	-	50pF max.
Period jitter (RMS)	35ns max.	
Aging (25°C)	±1ppm	

SMD Type	
<b>SJK1532</b> [ 1.5×0.8×0.6 mm ]	<b>SJK1630</b> [ 2.0×1.2×0.55 mm ]

Output
<b>LVC MOS</b>

Best Stability
<b>10 ppm</b>

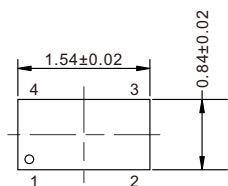
Low Power
<b>1.0 μA</b>

Supply Voltage
<b>1.2V ~ 3.63V</b>

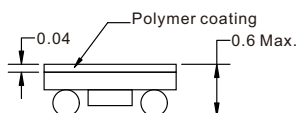
Nominal Frequency
<b>32.768 / 16.384 kHz</b>

## Outline Dimensions (Unit: mm)

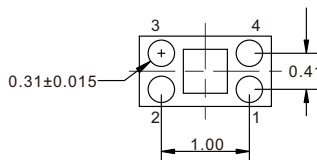
### SJK1532 (1.5×0.8×0.60 mm)



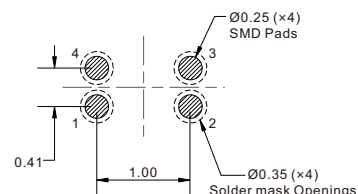
Top View



Side View

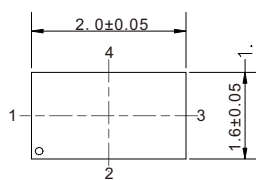


Bottom View

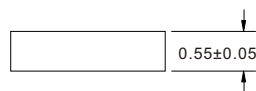


Footprint (Recommender)

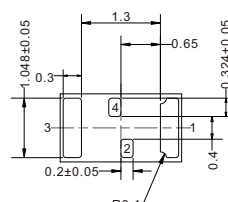
### SJK1630 (2.0×1.2×0.55 mm)



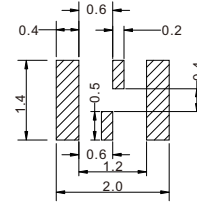
Top View



Side View



Bottom View



Footprint (Recommender)

## Pin Map

Type	Pin Map	Pin Connect and Function		
SJK1532		Pin	Connection	Function
		1	GND	Connect to ground
		2	CLK Out	Oscillator clock output
		3	Vdd	Connect to power supply
		4	GND	Connect to ground
SJK1630		Pin	Connection	Function
		1	NC/GND	Connect to ground or No connect
		2	GND	Connect to ground
		3	Output	Oscillator clock output
		4	Vdd	Connect to power supply