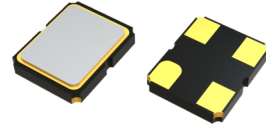


2.5 × 2.0 mm 32.768KHz Low Current Consumption SMD Oscillator

Feature

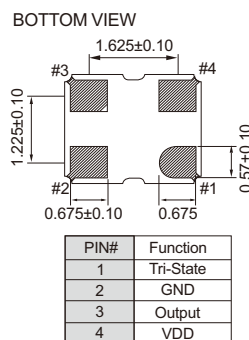
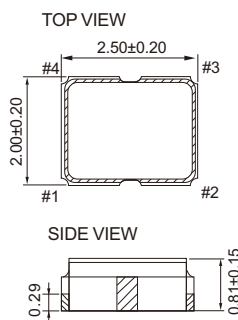
- Typical 2.5 x 2.0 x 0.81 mm SMD package.
- Low Power Supply Voltage: 3.3V, 2.5V, 1.8V
- Singled-end Output: CMOS
- Frequency: 32.768KHz
- Low Current Consumption: 18uA Max
- Temperature Range: -40 to 85 °C Operation
- Pb-free/RoHS Compliant



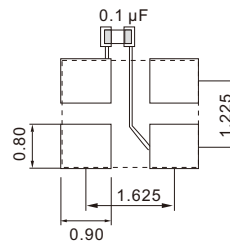
Electrical Specifications

Parameter	3.3V		2.5V		1.8V		Unit
	Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation	2.97	3.63	2.25	2.75	1.62	1.98	V
Supply Current(no load)	-	18	-	18	-	18	uA
Duty Cycle	45	55	45	55	45	55	%
Transition Time :Rise/Fall Time	-	15	-	15	-	15	nSec
Output Level	Out High(Logic"1")	2.97	2.25	1.62			V
	Out Low(Logic"0")		0.33	0.25		0.18	
Startup Time	-	20	-	20	-	20	mSec
Standby Current	-	3	-	3	-	3	uA
Output Loading(CMOS)		15	-	15	-	15	pF
Tri-State (Input to Pin 2)	Enable	2.31	-	1.75	-	1.26	V
	Disable	-	0.99	-	0.75	0.54	
Aging(@25 1st year)	-	±3	-	±3	-	±3	ppm
Storage Temp. Range	-55	125	-55	125	-55	125	°C

Dimension(mm)



Solder Pad Layout(mm)



To ensure optimal oscillator performance, place a by-pass capacitor of 0.1 µF as close to the part as possible between Vdd and GND pads.

FREQ. STABILITY vs. TEMP. RANGE

ppm Temp. (°C)	±20	±25	±50
-10 ~ +60	○	○	○
-20 ~ +70	○	○	○
-40 ~ +85	△	○	○

○: Available △: Conditional X: Not available

Inclusive of calibration @ 25 °C, operating temperature range, input voltage variation, load variation, aging (1st year), shock, and vibration