

# 32KHz output Low frequency deviation KH9829xxx

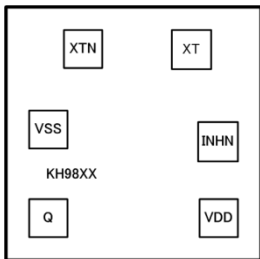
## Overview

KH9829xxx is composed of an oscillation amplifier, a frequency divider and a three-state output buffer. Oscillation amplifier is supplied with voltage regulator output apart from VDD. The voltage supply separation builds low frequency variation with supply voltage VDD. ESD and latch-up test have complied with AEC-Q100 standard.

## Features

Oscillation frequency (Fundamental)	KH9829A10	16.777216MHz
	KH9829B11	33.554432MHz
Output frequency	16.777216MHz/512	32.768KHz
	33.554432MHz/1024	
Operating Voltage		1.6 to 3.63V
Operating Temperature		-40 to 85°C
Standby Mode INHN="L"	Q Output "Hi-z"	
	Oscillation Stopped	
INHN Input Voltage Level		C-MOS
Q Output Duty Level		C-MOS
Q Output Current		2mA (VDD=1.6V)
Q Output Load (Drive Capacity)		15pF

## PAD Locations

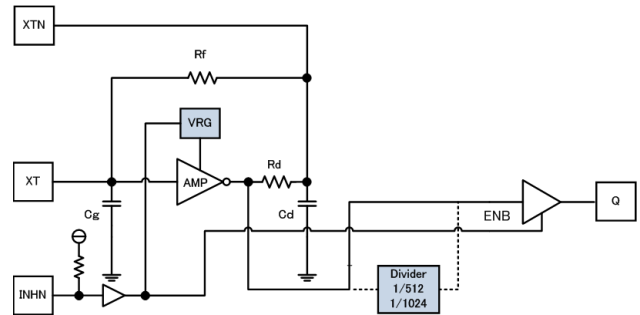


Chip Size	0.74×0.67mm
PAD Size	90×90um
Chip Thickness	130±20um
Chip Base	VSS Level

## Reliability

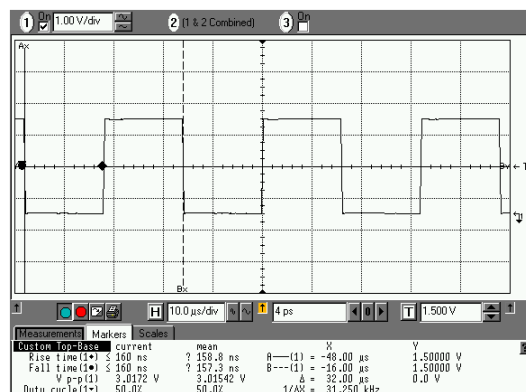
Test Model		Performance Values
ESD	HBM	>4000V
	MM	>400V
	FI-CDM	>1000V
Latch-up	Current Test	>200mA
	Voltage Test	>5.4V

## Block Diagram



## Output waveform

KH9829B11 32KHz CL=15pF VDD=3.0V



Notes: The document is a brief data sheet of the product.

Please contact with us by email for detailed data sheet, when needed.