

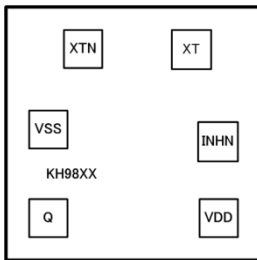
**Overview**

The high temperature version is built up by strict final test based on stable process capability. An oscillation amplifier is supplied with a 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**

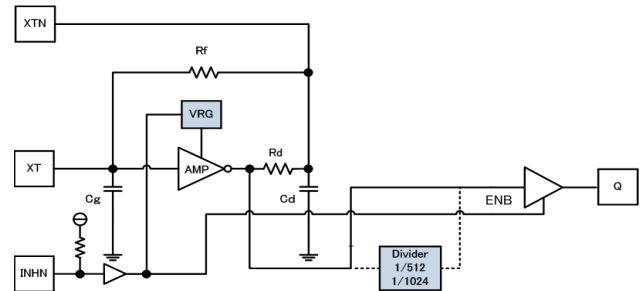
Oscillation frequency (Fundamental)	KH9829A10H	16.777216MHz
	KH9829B11H	33.554432MHz
Output frequency	16.777216MHz/512	32.768KHz
	33.554432MHz/1024	
Operating Voltage		1.6 to 3.63V
Operating Temperature		-40 to 125°C
Standby Mode    INHN="L"	Q Output "Hi-z"	
	Oscillation Stopped	
INHN Input Voltage Level		C-MOS
Q Output Duty Level		C-MOS
Q Output Current		1.6mA (VDD=1.6V)
Q Output Load (Drive Capacity)		15pF

**PAD Locations**



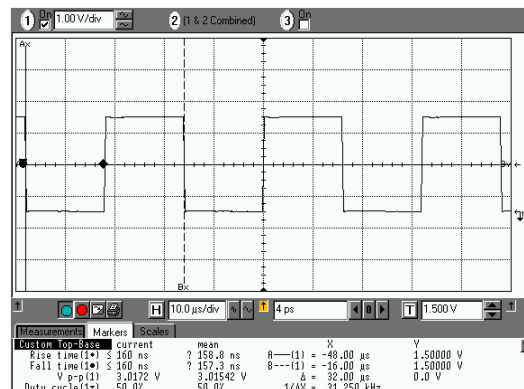
Chip Size	0.74×0.67mm
PAD Size	90×90um
Chip Thickness	130±20um
Chip Base	VSS Level

**Block Diagram**



**Output waveform**

KH9829B11H 32KHz CL=15pF VDD=3.0V



**Reliability**

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

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

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