

# 32.768KHz DIP Crystals 3.0x8.0mm Y38 Series



## Features

- Application for variety products reference clocks.
- reliable environmental performance.
- RoHS Compliant / Pb Free.



## Crystals specifications

ITEMS/TYPE	H38
Nominal Frequency	32.768KHz
Load Capacitance	7pF, 9pF, 12.5pF, or specify
Frequency Tolerance (at 25℃)	±20ppm, or specify
Operating Temperature Range	-70~+70℃, or specify
Parabolic Coefficient (B)	$(-0.03 \pm 0.01) 10^{-6} / ^\circ\text{C}^2$
Shunt Capacitance (C0)	2.0pF typical
Drive Level	1.0μW Max.
Aging (at 25℃)	±3ppm/year Max.
Storage Temperature Range	-55~+125℃

## Equivalent Series Resistance(ESR)

Fundamental	
32.768KHz	40KΩ Max.

## Dimensions and patterns(unit:mm)

