

# SMD kHz Crystals 7.4x1.5x1.4mm 146 Series



## Features

- .High-density mounting-type SMD
- .Photolithography finished allows uniform and performance
- .Excellent reliability and environmental capability.



## Electrical Specifications

Item / Type	
Norminal Frequency	32.768 kHz
Frequency Tolerance(at 25 °C)	± 20 ppm
Operation Temperature Range	- 40 ~ + 85 °C
Shunt Capacitance (C0)	1.0pF typical
Motional Capacitance (C1)	3.4fF typical
Insulation Resistance (IR)	500 MΩ Min.
Drive Level (DL)	1.0 μW Max.
Load Capacitance( CL)	6PF ,7Pf ,9Pf, 12.5 pF ,
Turnover Temperature (Ti)	25 °C ± 5 °C
Parabolic Coefficient (B)	$( - 0.03 \pm 0.01 ) * 10^{-6} / ^\circ\text{C}^2$
Aging (at 25 °C)	± 3 ppm at First year
Storage Temperature Range	-55 ~ +125 °C

## Equivalent Series Resistance(ESR)

306

70 KΩ Max

## Dimensions

