

32.768KHZ SMD Crystals 6.9x1.4x1.3mm G146 Series



Features

- External dimension: 7.0x1.5x1.3mm.
- Application: small portable communication equipment.
- Contains Pb in sealing glass exempted by RoHS directive.



Crystals specifications

ITEMS/TYPE	MC146
Nominal Frequency	32.768KHz
Load Capacitance	7pF, 9pF, 12.5pF, or specify
Frequency Tolerance (at 25°C)	±20ppm, or specify
Operating Temperature Range	-40~+85°C, or specify
Parabolic Coefficient (B)	$(-0.03 \pm 0.01) \cdot 10^{-6} / ^\circ\text{C}^2$
Motional Capacitance(C1)	4.65fF typical
Shunt Capacitance (C0)	1.2pF typical
Drive Level	0.5μW Max.
Aging (at 25°C)	±3ppm/year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	3,000pcs/Reel

Equivalent Series Resistance(ESR)

Fundamental	
32.768KHz	65KΩ Max.

Dimensions and patterns(unit:mm)

