



Features

- Plastic molded SMD tuning fork crystal of heat-resistance.
- High precision and high frequency stability.
- Automatic mounting and reflow soldering.
- High reliable environmental performance.
- Applications in PC, gaming equipment, Radio communication, PDA, Cellular phones, etc.



Electrical Specifications

Type	KMC8038 TUNING FORK CRYSTAL
Frequency Range	32.768 kHz
Load Capacitance	6pF / 12.5pF
Drive Level	1.0μW Max.
Frequency Tolerance	±20ppm, or specify
Turnover Temperature	25°C±5°C
Parabolic Coefficient	$(-0.034±0.005)*10^{-6}/^{\circ}C^2$
Operating Temperature Range	-20~+70°C, -40~+85°C
Storage Temperature Range	-55~+125°C
Aging (at 25°C)	±3ppm at first year
Shunting Capacitance	1.3pF Typ.

Equivalent Series Resistance(ESR)

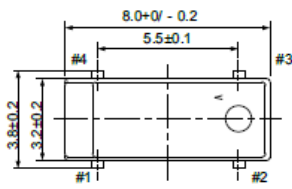
Fundamental	
32.768kHz	50 kΩ Max.

Ordering Information

KMC8038	R32K	125	20	A	
Product Code	Frequency Range 32.768 kHz	Load Capacitance 125 =12.5pF	Frequency Tolerance 20=±20ppm	Operating Temperature	
				A:-20~+70°C	D:-40~+125°C
				B:-10~+70°C	E:-10~+60°C
				C:-40~+85°C	F:-30~+70°C

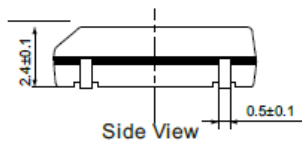
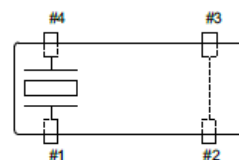
Dimension

Units:mm



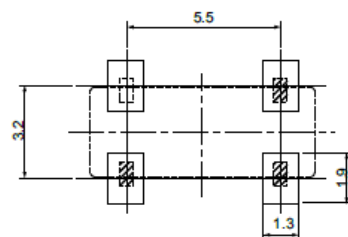
Top View

Top View Crystal Connection



Side View

Top View Suggested Layout



Bottom View