

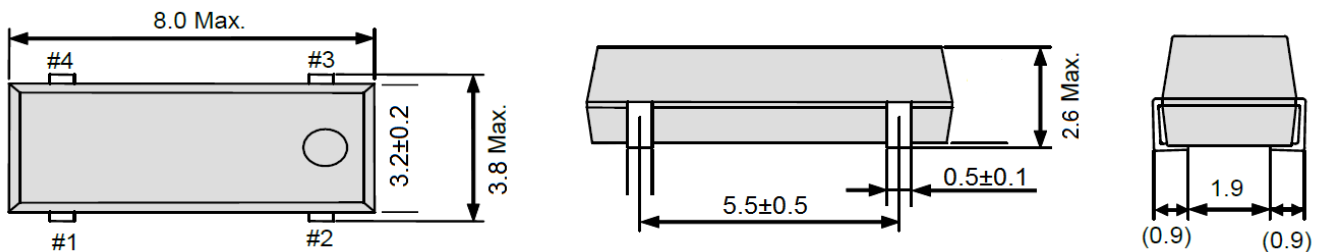
## MC306: Tuning Fork SMD Quartz Crystal

32.768 KHz

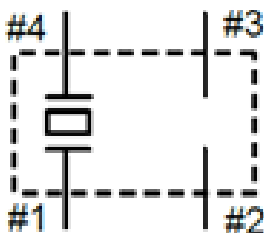
### ● SPECIFICATION

Type	MC306	Conditions
Frequency Range	32.768 KHz	
Load Capacitance	7 pF or 12.5 pF	
Drive Level	1 $\mu$ W (max)	
Frequency Tolerance	$\pm 20$ ppm	at 25°C
Series Resistance	50 K $\Omega$ (max)	
Turnover Temperature	25°C $\pm$ 5°C	
Temperature Coefficient	-0.035 $\pm$ 0.01 ppm/C <sup>2</sup>	
Operating Temperature Range	-40°C ~ +85°C	at 25°C
Storage Temperature Range	-55°C ~ +125°C	
Motional Capacitance	0.0028 pF (typ)	Depend on frequency
Shunt Capacitance	1.45pF (typ)	Depend on frequency
Capacitance Ratio (C0/C1)	500 (typ)	Depend on frequency
Aging	$\pm 5$ ppm (max)	25°C $\pm$ 3°C
Quality Factor	50000 (typ)	Depend on frequency
Insulation Resistance	500 M $\Omega$ (min)	DC 100V $\pm$ 5V (Pin to Pin, Pin to case)

### ● DIMENSIONS (mm)



### ● INTERNAL CONNECTIONS



Pin #2 and #3 to be OPEN electrically to the PCB.

### ● RECOMMENDED LAND PATTERN

