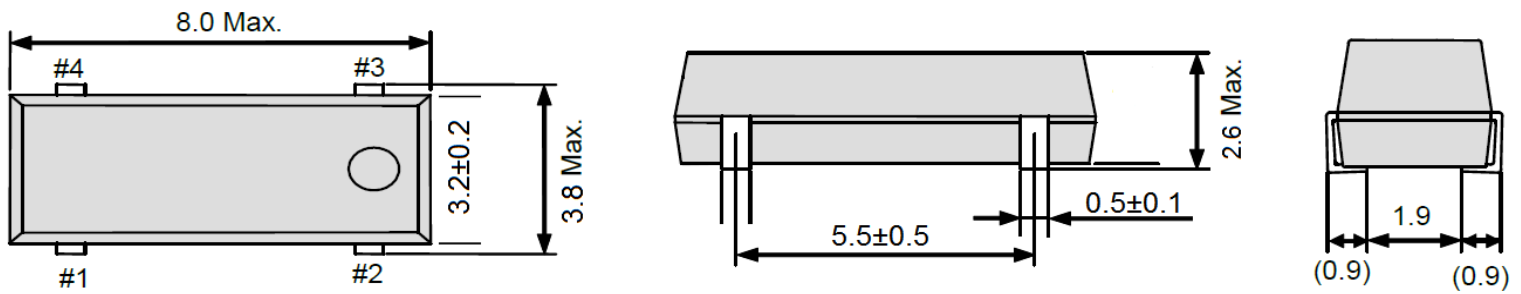


MC306: Tuning Fork SMD Quartz Crystal **32.768 KHz**

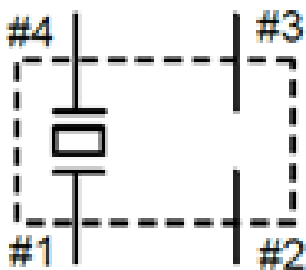
● SPECIFICATION

Type	MC306	Conditions
Frequency Range	32.768 KHz	
Load Capacitance	6 pF, 7 pF, 9 pF, 12.5 pF	
Drive Level	1 μW (max)	
Frequency Tolerance	±20 ppm	at 25°C
Series Resistance	50 KΩ (max)	
Turnover Temperature	25°C±5°C	
Temperature Coefficient	-0.035±0.01ppm/C ²	
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	±5ppm (max)	25°C±3°C
Quality Factor	50000 (typ)	Depend on frequency
Insulation Resistance	500 MΩ (min)	DC 100V±5V (Pin to Pin, Pin to case)

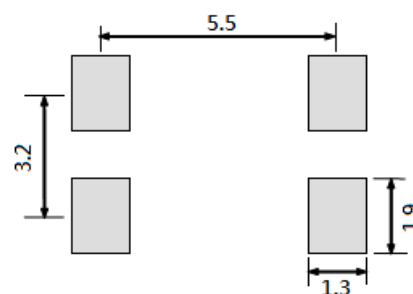
● DIMENSIONS (mm)



● INTERNAL CONNECTIONS



● RECOMMENDED LAND PATTERN



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