

MC306

Description:

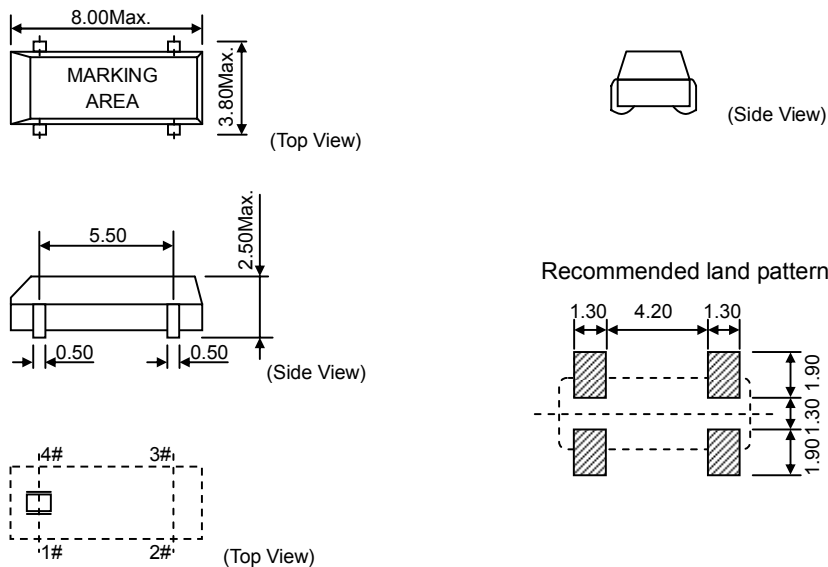


- Low Cost
- KHz Frequency
- Tight Tolerance
- Miniature Package
- Electrical Equipment
- Hand-Held Equipment
- Watch Crystal

Performance Characteristics

Parameter		MC306
Frequency Range	F ₀	30.000KHz~200.000KHz
Mode of Vibration		Fundamental
Resonance Resistance	R _r	50KΩ Max.
Frequency Tolerance (at 25°C)		±20×10 ⁻⁶
Q Factor		70,000 Typ. 40,000 Min.
Two Dimensional Temperature Constant		-0.04×10 ⁻⁶ /°C ²
Storage Temperature Range	T _{STG}	-55°C~+125°C
Shunt Capacitance	C ₀	2pF Typ.
Load Capacitance	CL	6.0pF~12.5pF
Insulation Resistance	IR	>500MΩ DC/100V±10V
Drive Level	DL	1.0±0.2μW
Aging	F _a	±3×10 ⁻⁶ ~±5×10 ⁻⁶ /year

Outline Drawing (mm)



Crystal Units Ordering Information

HC-49U	—	C	20	S	S	A	—	1.8432
Package	Operating Temperature Range	Load Capacitance	Frequency Tolerance	Frequency Stability	Vibration Mode	Nominal Frequency (MHz)		
HC-49U	A=0°C~+50°C	00=series	M=±3×10 ⁻⁶	M=±3×10 ⁻⁶	A=AT-Fund	Please enter the nominal frequency		
HC-49UX	B=-10°C~+60°C	06=6.0pF	N=±5×10 ⁻⁶	N=±5×10 ⁻⁶	B=BT-Fund			
HC-33U	C=-20°C~+70°C	08=8.0pF	O=±10×10 ⁻⁶	O=±10×10 ⁻⁶	T=3 RD			
HC-49S	G=-40°C~+85°C	10=10pF	P=±15×10 ⁻⁶	P=±15×10 ⁻⁶	F=5 TH			
HC-49SA	J=-55°C~+125°C	12=12pF	Q=±20×10 ⁻⁶	Q=±20×10 ⁻⁶	TA=AT-3 RD			
HC-49SB		16=16pF	S=±30×10 ⁻⁶	S=±30×10 ⁻⁶	FA=AT-5 TH			
HC-49XA		20=20pF	T=±50×10 ⁻⁶	T=±50×10 ⁻⁶				
HC-49XB		30=30pF		U=±100×10 ⁻⁶				
X53F		50=50pF						
X63F		Please enter the value of load capacitance						
X75F								
X53T								
X63T								
UM-1								
UM-5								
AT-38								
AT-39								

DT-26	—	C	06	Q	—	32.768
Package	Operating Temperature Range	Load Capacitance	Frequency Tolerance (25°C)	Nominal Frequency (KHz)		
DT-26	A=0°C~+50°C	06=6.0pF	N=±5×10 ⁻⁶	Please enter the nominal frequency		
DT-38	B=-10°C~+60°C	08=8.0pF	O=±10×10 ⁻⁶			
MC306	C=-20°C~+70°C	10=10.0pF	P=±15×10 ⁻⁶			
	G=-40°C~+85°C	12=12.5pF	Q=±20×10 ⁻⁶			
		Please enter the value of load capacitance	S=±30×10 ⁻⁶			
			T=±50×10 ⁻⁶			
			U= ±100×10 ⁻⁶			