

HC-49XC Series



Description:

- Low Cost
- Wide Frequency Range
- Excellent Aging
- AT or BT Cut Crystal
- Consumer Electronic Products
- Industrial Equipment
- Military Equipment
- Communication Equipment

Performance Characteristics

Parameter		HC-49XC		
Frequency Range (MHz)	F ₀	3.579~40.000	20.000~40.000	24.000~70.000
Mode of Vibration		AT Fundamental	BT Fundamental	3rd Overtone
Resonance Resistance (Ω)	R _r	180~25	40	120~80
Frequency Tolerance (at 25°C)		±3×10 ⁻⁶ ~±30×10 ⁻⁶		
Storage Temperature Range	T _{STG}	-55°C~+125°C		
Shunt Capacitance	C ₀	7pF Max		
Load Capacitance	CL	6pF~50pF or Series		
Insulation Resistance	IR	>500MΩ DC/100V±10V		
Drive Level	DL	0.01mW~0.1mW		
Aging	Fa	±3×10 ⁻⁶ ~±5×10 ⁻⁶ /year		

Frequency Stability Over Temperature Range

Temperature Range	Frequency Stability				
	O:±10×10 ⁻⁶	P:±15×10 ⁻⁶	Q:±20×10 ⁻⁶	S:±30×10 ⁻⁶	T:±50×10 ⁻⁶
A:0°C~+50°C	●	●	●	●	●
B:-10°C~+60°C	●	●	●	●	●
C:-20°C~+70°C		●	●	●	●
G:-40°C~+85°C			●	●	●

Outline Drawing (mm)

