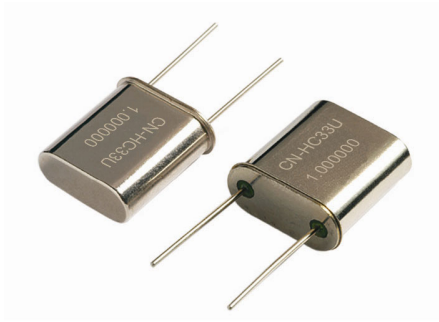


HC-33U



Description:

- Low Cost
- Wide Frequency Range
- Excellent Aging
- AT NT DT or X Cut Crystal
- Consumer Electronic Products
- Computers
- Communication Equipment

Performance Characteristics

Parameter		HC-33U			
Frequency Range (KHz)	F <sub>0</sub>	16~80	75~180	180~500	880~125000
Mode of Vibration		NT Cut	X Cut	DT Cut	AT Cut
Resonance Resistance (Ω)	R <sub>r</sub>	40K~100K	8K	8K~10K	<700
Frequency Tolerance (at 25°C)		±5×10 <sup>-6</sup> ~±50×10 <sup>-6</sup>			
Storage Temperature Range	T <sub>STG</sub>	-55°C~+125°C			
Shunt Capacitance	C <sub>0</sub>	7pF Max			
Load Capacitance	CL	12pF~100pF or Series			
Insulation Resistance	IR	>500MΩ DC/100V±10V			
Drive Level	DL	0.1mW		2mW	
Aging	Fa	±3×10 <sup>-6</sup> ~±5×10 <sup>-6</sup> /year			

Frequency Stability Over Temperature Range

Temperature Range	Frequency Stability			
	Q:±20×10 <sup>-6</sup>	S:±30×10 <sup>-6</sup>	T:±50×10 <sup>-6</sup>	U:±100×10 <sup>-6</sup>
A:0°C~+50°C	●	●	●	●
B:-10°C~+60°C		●	●	●
C:-20°C~+70°C			●	●
G:-40°C~+85°C				●

Outline Drawing (mm)

