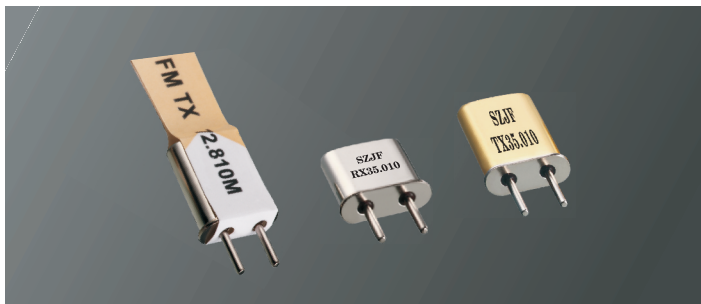


Features

High Stability with Temperature
Wide Frequency Range
Low Cost to Performance
High Heat Resistance
Excellent Aging Characteristics



Specifications

Type		HC-50U	HC-50T
频率范围	Fundamental	1.800~ 48.000MHz	3.000~ 48.000MHz
Frequency Range(MHz)	3 rd Overtone	20.000~ 100.000MHz	20.000 ~100.000MHz
	5 th Overtone	60.000~ 180.000MHz	60.000 ~180.000MHz
振动模式	Vibration Mode	AT/BT cut,Fundamental,3 rd ,5 th Overtone	
调整频差 (ppm)	Frequency Tolerance (at 25℃)	±3~± 50ppm	
温度频差 (ppm)	Frequency Stability Over Temperature Range	See Table 1	
储存温度 (℃)	Storage Temperature Range	-40℃ ~ +85℃	
等效电阻 (Ω)	Equivalent Series Resistance	See Table 2	
静态电容 (pF)	Shunt Capacitance	7.0 pF Max	
负载电容 (pF)	Load Capacitance	5~50pF or Series Resonance	
绝缘电阻 (MΩ)	Insulation Resistance	≥500MΩ //DC100V± 10V	
激励功率 (μW)	Drive Level	0.01 μW~ 1000 μW	
老化率 (ppm/y)	Aging	±2ppm/year, ±3ppm/year, ±5ppm/year	

All specifications subject change without notice.

Frequency Stability over Temperature Range (AT cut) (Table 1)

Temperature Range		±3ppm 03	±5ppm 05	±7ppm 07	±10ppm 10	±15ppm 15	±20ppm 20	±30ppm 30	±50ppm 50
0 ~+50℃	A	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-5~+55℃	B	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-10~+60℃	C	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-20~+70℃	D	/	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-30~+85℃	E	/	/	Δ	Δ	Δ	Δ	Δ	Δ
-40~+85℃	F	/	/	/	/	Δ	Δ	Δ	Δ
-40~+105℃	G	/	/	/	/	Δ	Δ	Δ	Δ

HC-50U & HC-50T

■ Equivalent Series Resistance (ESR) (Table 2)

Freq. Range (MHz)	Mode of Oscillation	ESR (Ω Max)
1.800~2.999	AT.Fund	400
3.000~4.999	AT.Fund	90
5.000~9.999	AT.Fund	40
10.000~48.000	AT.Fund	25
20.000~100.000	3 rd Overtone	40
60.000~150.000	5 th Overtone	80

■ Options Available

Options Available	Item
V	Centre third lead on top
V	Vinyl sleeve on HC-50U cover
V	Laser marking
V	Special height for HC-50U
V	Special C _i or C _o requirement
V	Special ESR
V	Label of channel for HC-50U
V	Golden cover is available

■ Dimension (Unit: mm)

