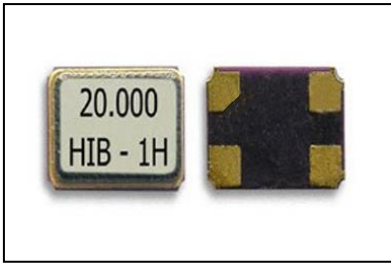


HCX-1BC Series 24 to 54MHz*



FEATURES

- Compact and thin (1.6x1.2x0.35 mm typ.).
- Prepared frequencies can meet most of bluetooth chipsets.
- Excellent electric performance optimum for mobile phone and bluetooth applications are exhibited.

Electrical Specifications

Parameter	Symbol	Condition	Min	Typ	Max	Units
Frequency Range	F_0		24.000*		54.000*	MHz
Frequency Tolerance	$\Delta F/F_0$	at 25°C	±10	±30	±30	PPM
Temperature Stability	T_C	Ref to 25°C	±20	±30	±30	PPM
Operating Temperature Range	T_{OPR}		-55	-20 to +70	+125	°C
Storage Temperature Range	T_{STG}		-40		+85	°C
Shunt Capacitance	C_0				3	pF
Load Capacitance	C_L	Customer Specified	10	20	Series	pF
Insulator Resistance	I_R	100 V _{DC}	500			MΩ
Drive Level	D_L		1	50	200	μW
Aging	F_a	at 25°C, per year	-2.0		+2.0	PPM
Packing Unit	3000 pcs/reel					

Equivalent Series Resistance (ESR) and Mode of Vibration (Mode)

* Available on the following frequencies:

Frequency (MHz)	Max ESR (Ω)	Mode	Frequency (MHz)	Max ESR (Ω)	Mode
24.000000	100	Fundamental	38.400000	80	Fundamental
25.000000	100	Fundamental	40.000000	80	Fundamental
26.000000	100	Fundamental	48.000000	80	Fundamental
30.000000	100	Fundamental	50.000000	80	Fundamental
37.400000	80	Fundamental	54.000000	80	Fundamental

Mechanical Dimensions – mm (inch)

