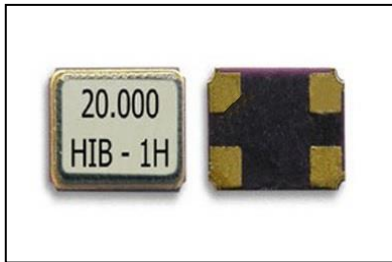


HCX-1AB Series 16 to 54MHz*



FEATURES

- Compact and thin (2.0x1.6x0.5 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		16.000*		54.000*	MHz
Frequency Tolerance	ΔF/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
16.000000	200	Fundamental	32.000000	80	Fundamental
24.000000	100	Fundamental	38.400000	80	Fundamental
25.000000	100	Fundamental	40.000000	80	Fundamental
26.000000	100	Fundamental	48.000000	80	Fundamental
27.000000	100	Fundamental	50.000000	80	Fundamental

Mechanical Dimensions – mm (inch)

