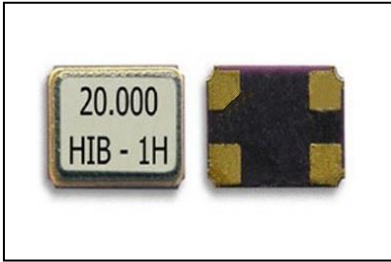


HCX-5SB Series 8 to 125MHz



The HCX-5SB crystal is an ultra-miniature package with size of 5.0x3.2x0.8mm. The ceramic base and metal cover provides the durability and reliability necessary for strenuous process like infrared and vapor phase reflow. Excellent performance for application in wireless communication.

FEATURES

- Ultra-miniature size
- Industry Standard
- Wide Frequency Range
- Ceramic Seam Weld
- Emboss taping - Reflow soldering

Electrical Specifications

Parameter	Symbol	Condition	Min	Typ	Max	Units
Frequency Range	F_0		8.000		125.000	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				5	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	100	200	μW
Aging	F_a	at 25°C, per year	-3.0		+3.0	PPM
Packing Unit	3000 pcs/reel					

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

Frequency Range(MHz)	Max ESR (Ω)	Mode
8.000 to 10.999MHz	80	Fundamental
12.000 to 54.000MHz	40	Fundamental
40.000 to 59.999MHz	120	3 rd Overtone
60.000 to 125.000MHz	80	3 rd Overtone

Mechanical Dimensions – mm (inch)

