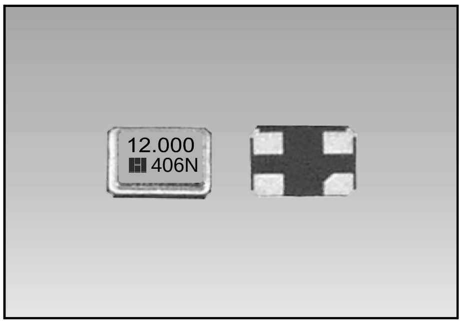
SMD CRYSTAL UNITS

• HCX-3SB Series 3.2X2.5X0.75 mm



FEATURES

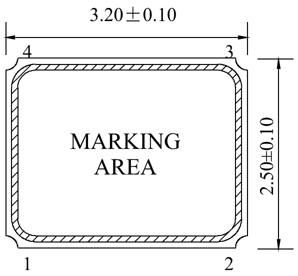
- Compact and thin (3.2X2.5X0.75mm max.)
- Frequency range of 10M to 54M with Fund
- Suitable application include telecommunications equipment, Short-range radio link modules,DVC,DSC PDA and Mobilephone.
- Excellent heat resistance and shock resistance.
- Products that are lead-free. These can meet the requirement of re-flow profiling using lead-free solder

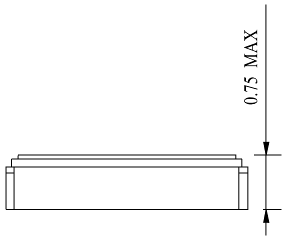
Electrical Specifications

Item / Type		HCX-3SB			
Frequency Range	F0	10 to 11.999MHz	12 to 19.999MHz	20 to 25.999MHz	26 to 54.000MHz
Mode of Vibration		Fundamental			
Load Capacitance	CL	6 to 20pF			
Frenqency Tolerance	△F/ F0	±10ppm,±15ppm,±30ppm(At 25℃)			
Equivalent Series Resistance	ESR	150 Ω max.	100 Ω max.	70 Ω max.	50 Ω max.
Temperature Stability	TC	±10ppm,±15ppm,±30ppm(Refer to 25℃)			
Operating Temperature Range	T_{OPR}	-20~+70℃,-30~+85℃ Option			
Storage Temperature Range	T_{STG}	−55~+125℃			
Shunt Capacitance	C0	3pF max.			
Insulator Resistance	IR	500M Ω min. (At 100V_{DC})			
Drive Level	DL	100μW(200μW max.)			
Aging	Fa	±2ppm max. (At 25℃,First year)			
Packing Unit		3000pcs/reel			

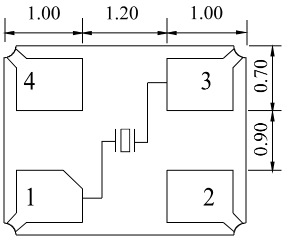
***Please contact us for inquiries regarding other Specifications*

Mechanical Dimensions(mm)





Top View



Recommended Solder Pattern