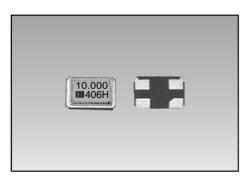


# SMD CRYSTAL UNITS



# • HCX-5SB Series

# 5.0X3.2X0.90 mm



#### **FEATURES**

- Compact and thin (5.0X3.2X0.90mm max.)
- Prepared frequencies can meet most of bluetooth chipsets
- 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	Туре	HCX-5SB				
Frequency Range	F0	8 to 9.999MHz	10 to19.999MHz	20 to 29.999MHz	30 to 47.999MHz	48 to 80.000MHz
Mode of Vibration		Fundamental 3 <sup>rd</sup> Overtone				
Load Capacitance	CL	10pF to Series				
Frenqency Tolerance	△F/ F0	±10ppm,±30ppm,±50ppm(At 25℃)				
Equivalent Series Resistance	ESR	100 Ω max.	80 Ω max.	70 Ω max.	50 Ω max.	70 Ω max.
Temperature Stability	TC	$\pm 10$ ppm, $\pm 30$ ppm, $\pm 50$ ppm(Refer to 25°C)				
Operating Temperature Range	Topr	-20~+70°C,-30~+85°C Option				
Storage Temperature Range	Tstg	-55~+125℃				
Shunt Capacitance	C0	7pF max.				
Insulator Resistance	IR	500M Ω min. (At 100VDC)				
Drive Level	DL	100μW(300μW max.)				
Aging	Fa	±2ppm max. (At 25 °C, First year)				
Packing Unit		1000pcs/reel				

<sup>\*\*</sup>Please contact us for inquiries regarding other Specifications

### **Mechanical Dimensions(mm)**

