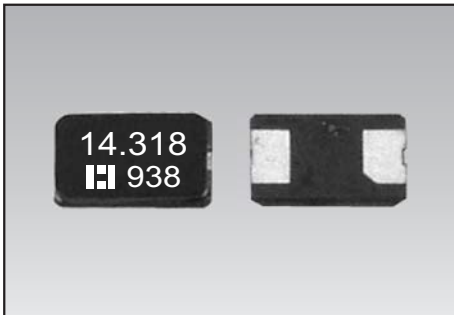




• HCX-8FA Series 8.0X4.5X1.6 mm



FEATURES

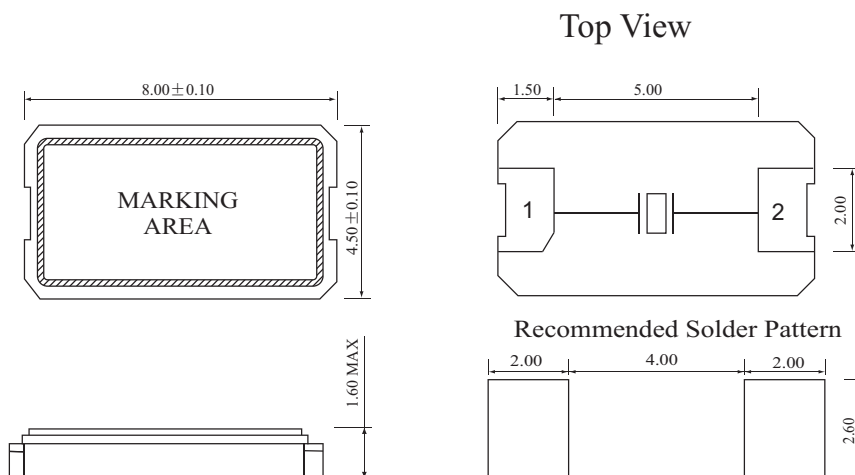
- Prepared frequencies can meet most of bluetooth chipsets
- Excellent electric performance optimum for mobilephone and bluetooth applications are exhibited
- Excellent heat resistance and shock resistance.
- Products that are lead-free. These can meet the requirement of re-flow profiling using lead-free solder

SMD Crystal units

Electrical Specifications

Item	Type	HCX-8FA			
Frequency Range	Fo	6 to 9.999MHz	10 to 11.999MHz	12 to 39.999MHz	40 to 100.000MHz
Overtone Order		Fundamental			3 rd Overtone
Load Capacitance	CL	10pF to Series			
Frequency Tolerance	ΔF/ Fo	± 30ppm, ± 50ppm, ± 100ppm(At 25°C)			
Equivalent Series Resistance	ESR	120 Ω max.	80 Ω max.	50 Ω max.	70 Ω max.
Temperature Stability	Tc	± 30ppm, ± 50ppm, ± 100ppm(Refer to 25°C)			
Operating Temperature Range	TOPR	-20~+70°C, -30~+85°C Option			
Storage Temperature Range	TSTG	-40~+85°C			
Shunt Capacitance	CO	7pF max.			
Insulator Resistance	IR	500M Ω min. (At 100VDC)			
Drive Level	DL	100μW (300μW max.)			
Aging	Fa	± 5ppm max. (At 25°C, Frist year)			
Packing Unit		1000pcs/reel			

Mechanical Dimensions(mm)



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Specifications are subject to change without notice