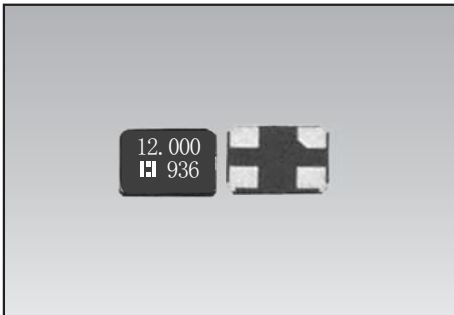




• HCX-3FB Series 3.2X2.5X0.8 mm



FEATURES

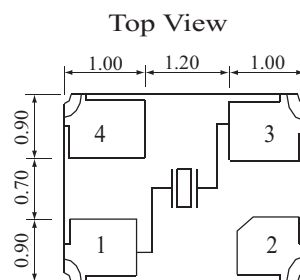
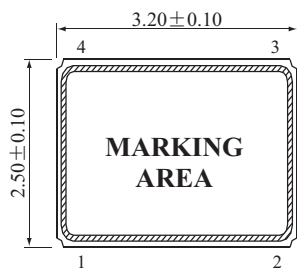
- Compact and thin (3.2X2.5X0.8mm typ.)
- Frequency range of 12M to 54M with Fund
- Excellent electrical performance for OA and AV applications
- Excellent heat resistance and shock resistance.
- ROHS compliant

SMD Crystal units

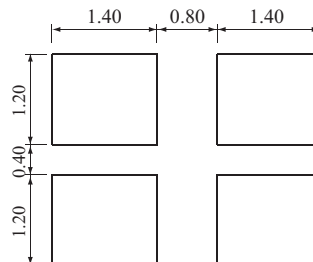
Electrical Specifications

Item	Type	HCX-3FB		
		12 to 19.999MHz	20 to 25.999MHz	26 to 54.000MHz
Frequency Range	Fo	12 to 19.999MHz	20 to 25.999MHz	26 to 54.000MHz
Overtone Order		Fundamental		
Load Capacitance	CL	6 to 20pF		
Frequency Tolerance	$\Delta F/Fo$	$\pm 30ppm, \pm 50ppm, \pm 100ppm$ (At 25°C)		
Equivalent Series Resistance	ESR	80 Ω max.	70 Ω max.	50 Ω max.
Temperature Stability	Tc	$\pm 30ppm, \pm 50ppm, \pm 100ppm$ (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	3pF max.		
Insulator Resistance	IR	500M Ω min. (At 100VDC)		
Drive Level	DL	50 μ W (100 μ W max.)		
Aging	Fa	$\pm 5ppm$ max. (At 25°C, Frist year)		
Packing Unit		3000pcs/reel		

Mechanical Dimensions(mm)



Recommended Solder Pattern



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Specifications are subject to change without notice