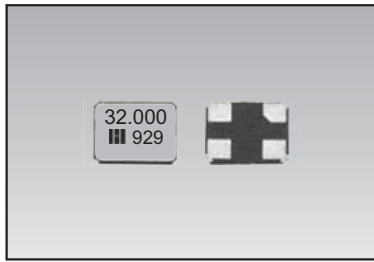




SMD CRYSTAL UNITS



• HCX-1AB Series 2.0X1.6X0.45 mm



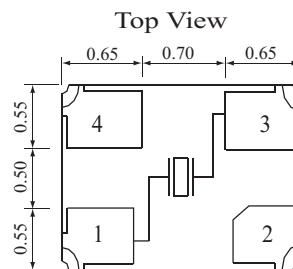
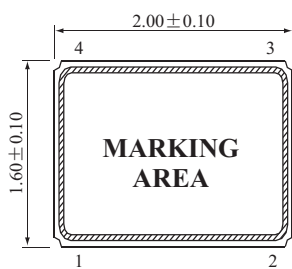
FEATURES

- Very compact and thin(2.0X1.6X0.45mm typ.)
- Frequency range of 24 to 54M with Fund
- Mobile and Bluetooth application
- ROHS compliant

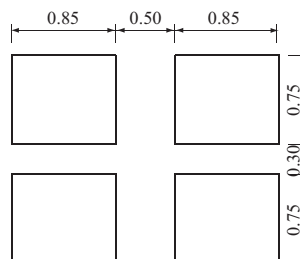
Electrical Specifications

Item	Type	HCX-1AB		
		24 to 24.999MHz	25 to 35.999MHz	36 to 54.000MHz
Frequency Range	Fo	24 to 24.999MHz	25 to 35.999MHz	36 to 54.000MHz
Overtone Order		Fundamental		
Load Capacitance	CL	8 to 16pF		
Frequency Tolerance	$\Delta F / F_o$	$\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}$ (At 25°C)		
Equivalent Series Resistance	ESR	100 Ω max.	80 Ω max.	60 Ω max.
Temperature Stability	Tc	$\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}$ (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	$\pm 2\text{ppm}$ 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