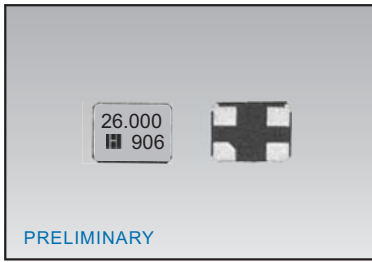




SMD CRYSTAL UNITS



• HCX-TAB Series 1.6X1.2X0.40 mm



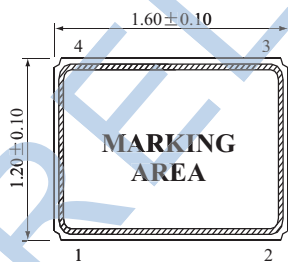
FEATURES

- Very compact and thin(1.6X1.2X0.40mm typ.)
- Frequency range of 26 to 54M with Fund
- Ideal for ultra compact Wireless LAN and Bluetooth
- ROHS compliant

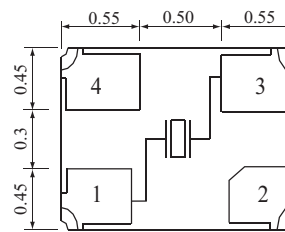
Electrical Specifications

Item	Type	HCX-TAB	
Frequency Range	Fo	26 to 29.999MHz	30 to 54.000MHz
Overtone Order		Fundamental	
Load Capacitance	CL	8 to 12pF	
Frequency Tolerance	$\Delta F/F_o$	$\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}$ (At 25°C)	
Equivalent Series Resistance	ESR	150 Ω max.	100 Ω max.
Temperature Stability	Tc	$\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}$ (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	

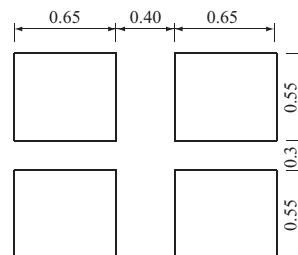
Mechanical Dimensions(mm)



Top View



Recommended Solder Pattern



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Specifications are subject to change without notice