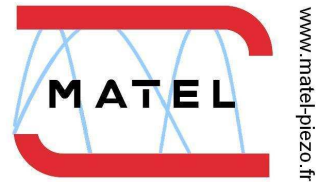


SMD Crystal Units 2.0 x 1.6 x 0.5 HCX-1AB



FEATURES
16 to 62.5 MHz Case Name: 2.0X1.6
APPLICATION
Mobile and Bluetooth application

Electrical specifications :

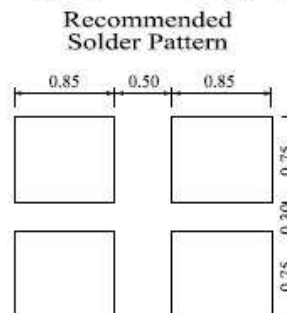
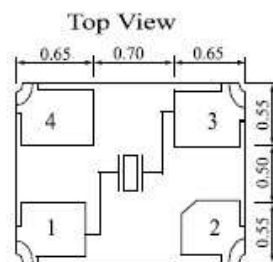
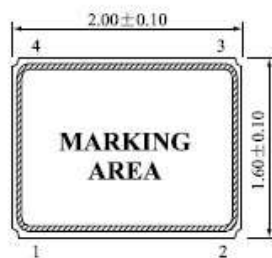
Parameters	Conditions	Min	Typ	Max	Units
Frequency Range		16		62.5	MHz
Frequency Tolerance	At 25°C	± 10		± 30	ppm
Temperature Stability	Ref to 25°C	± 10		± 30	ppm
Operating Temperature Range		- 20*		+ 70*	°C
Storage Temperature Range		- 55		+ 125	°C
Shunt Capacitance				3	pF
Load Capacitance		8		16	pF
Insulator Resistance	100 Vdc	500			M Ω
Drive Level			50	100	μW
Ageing	At 25°C per year	- 2.0		+ 2.0	ppm

*Operating temperature: -30° to +85°C option

Equivalent Series Resistance (ESR) and Mode of Vibration (Mode) :

Frequency Range (MHz)	Max (ESR) Ω	Mode
16.000 to 18.999	200	Fundamental
19.000 to 24.999	100	Fundamenta
25.000 to 29.999	80	Fundamental
30.000 to 62.500	60	Fundamental

Mechanical Dimensions (mm) :



SMD Crystal Units

TYPE	HCX-1AB	REVISION	02	CHECKED	PB	DATE	16/09/2016
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Crystal Units Codification Part Numbering System



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HCX-TAB 12MHz F 20 A 3 3 S

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Package	Nominal Frequency (MHz)	Vibration Mode	Load Capacitance	Operating Temperature Range	Frequency Tolerance	Frequency Stability	Option
HCX-TAB HCX-1AB HCX-2SB HCX-3SB HCX-5SB HCX-5SA HCX-6SB HCX-6SA HCX-7SB HC-49U HC-49SA HC-49SB HC-49SMA HC-49SMB MF-04 MF-05 MF-24 MF-25 MF-UM1 MF-UM5	Please enter the nominal frequency	F = AT-fund T = AT-3rd V = AT-5th B = BT-fund	00 = series 10 = 10pF 32 = 32pF Other load capacitance on request	A= 0°C to +50°C B= 0°C to +70°C C= -10°C to +60°C D= -10°C to +70°C E= -20°C to +70°C G= -30°C to +85°C M= -40° to +85°C R= -55° to +125°C	1=±10ppm 2=±20ppm 3=±30ppm 5=±50ppm 0=±100ppm X=±5ppm Y=±15ppm Z=±25ppm	1=±10ppm 2=±20ppm 3=±30ppm 5=±50ppm 0=±100ppm X=±5ppm Y=±15ppm Z=±25ppm	S = Insulator tab G=Gull Wing

TYPE	CODIFICATION	REVISION	04	CHECKED	PB	DATE	22/04/2016
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All specifications are subject to change without notice