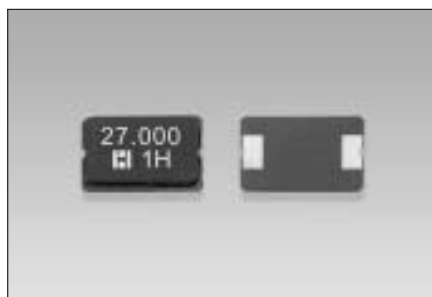




SURFACE MOUNT CRYSTAL

• HCX-6FA Series

6.0X3.5X1.2 mm



The 6FA crystal is an ultra miniature ceramic package SMD type. The height is less than 1.2mm and fundamental till 40 MHz that allows it ease of circuit design. The main application is PCMCIA card, handsets, portable equipment and pocket LAN adapters etc.

FEATURES

- Ultra-miniature size
- Fundamental till 40MHz
- Wide Frequency Range
- Glass Sealing
- Ceramic package
- Emboss taping
- Reflow soldering

SMD Crystal Units

Electrical Specifications

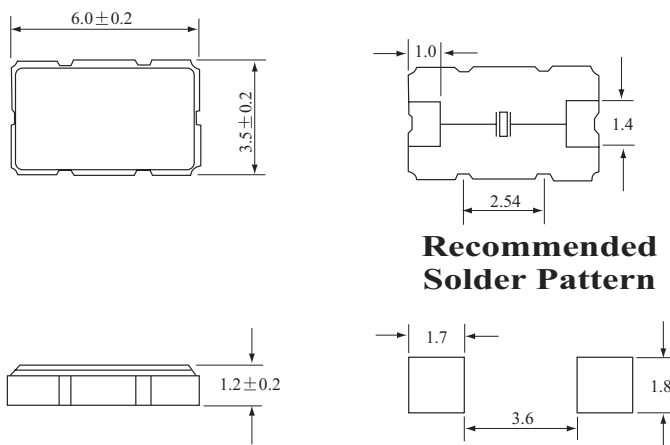
Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo		10.000		80.000	MHz
Frequency Tolerance	$\Delta F / F_0$	AT 25°C	± 30	± 50	± 100	ppm
Temperature Stability	TC	REF TO 25°C	± 30	± 50	± 100	ppm
Operating Temperature Range	TOPR		-10*		+60*	°C
Storage Temperature Range	TSTG		-40		+85	°C
Shunt Capacitance	CO				7	pF
Load Capacitance	CL	Customer Specified	10		Series	pF
Insulator Resistance	IR	100V _{dc}	500			M Ω
Drive Level	DL			100	500	μ W
Aging	Fa	AT 25°C, per year	-5.0		+5.0	ppm

*Operating temperature range: -20°C to +70°C option

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

Frequency Range	Max ESR(Ω)	Mode
10.000MHz to 15.999MHz	60	Fundamental
16.000MHz to 39.999MHz	40	Fundamental
40.000MHz to 80.000MHz	70	3 rd Overtone

Mechanical Dimensions(mm)



Recommended Solder Pattern

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WEB SITE:<http://www.hosonic.com.tw>

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XUNSHAN LIANGZHU TOWN MOGANSHAN ROAD
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Specifications are subject to change without notice