

iCX4S Series

Crystal

HC-49/US, 49SMD Crystal

Freq: 3.0Mhz to 90Mhz

Features

HC-49SMD, 49/US Crystal

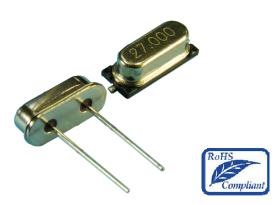
Fundamental (3 to 48 Mhz)

3rd Overtone (36 to 90Mhz)

AT-Cut Crystal

-20to70 $^{\circ}\mathrm{C}$, -40to85 $^{\circ}\mathrm{C}$ OPT Range.

RoHS Compliant (pb-Free)



Dimensions(mm)

11.5 x 5.0 x 3.5max

11.5 x 5.0 x 2.5max

Standard Specifications						
Parameter	Maximum Value		Condition			
Frequency	3.0 ~ 90 Mhz		Depending on Mode			
Mode	Fundamental		3 to 48Mhz			
	3rd Overtone		36 to 90Mhz			
Stability Options	C0=±30ppM		−40 to 85℃			
over temperature	A0=±10ppM		0 to 70℃			
Calibration Tolerance	±10 to ±30ppM		@25℃			
Shunt Capacitance	7.0pF max					
Load Capacitance	9pF ~ 20pF or Series					
Drive Level	100uW					
Aging per year	< 2ppM					
ESR	50 ohm max		5 ~ 50Mhz (fund)			
	70 ohm max		25~90Mhz(3 rd)			

Absolute Maximum Ratings(For user guidelines only)							
Parameter	Maximum Value	Units	Condition				
Operating Temperature	-40 to 85	${\mathbb C}$					
Storage Temperature	-50 to 120	${\mathbb C}$	Max				

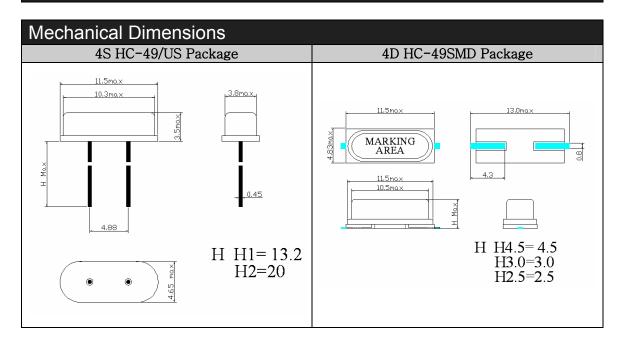


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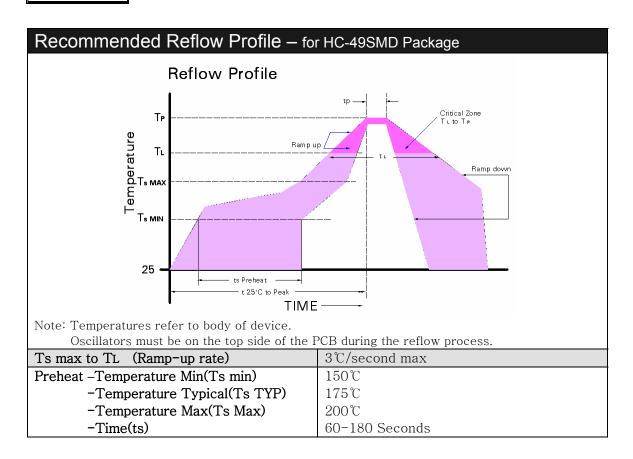


Marking

25.000Mhz

-Frequency

• IMT wwyy -week/year



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Ramp-up Rate(TL to TP)	3℃/Second max		
Time Maintained Above-Temperature(TL)	217℃		
-Time(TL)	60-150 Seconds		
Peak Temperature(Tp)	250℃ Max for 10 seconds Max		
Target Peak Temperature(Tp Target)	240℃		
Time within 5 ℃of actual peak(tp)	20-40 seconds		
Ramp-down Rate	6℃/second max		
Time 25℃ to peak Temperature	8 minutes max		

Part Numbering Guide & Code ...iCX4DF-EB5-F-25M000-T

iCX4D(Crystal)

Package N	Mode	Operating Temperature	Stability	CL	Frequenc y	Packaging Option
iCX 4D	F	E	B5	F	25M000	T
4D:49SMD 3	F:fund 3:3 rd 5:5 th	B: 0···70℃ C:-20···70℃ E:-40···85℃	A0: ±10ppM B5: ±25ppM	X- series A-20pF B-18pF C-16pF D-12.5pF F-12pF G-10pF	25Mhz	T: Tape & Reel B: Bulk

Above example, Crystal, HC-49SMD package, Fund mode, -40to 85℃ Temperature range, Temp Stability ±25ppM, 12pF Load capacitance, at 25.000Mhz.