

# FOX PART NUMBER: 278LF-24.8832-3

## Resistance Weld SMD Crystal



Model: HC49SDLF Series

RoHS / REACH Compliant / Pb Free

Rev. 12/9/2014

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[http://www.foxonline.com/need\\_a\\_sample.htm](http://www.foxonline.com/need_a_sample.htm)

Need a  
Sample®

For Use with:

IDT'S VCXO-BASED SYNCHRONIZATION PLLS

### • FOX PART NUMBER: 278LF-24.8832-3

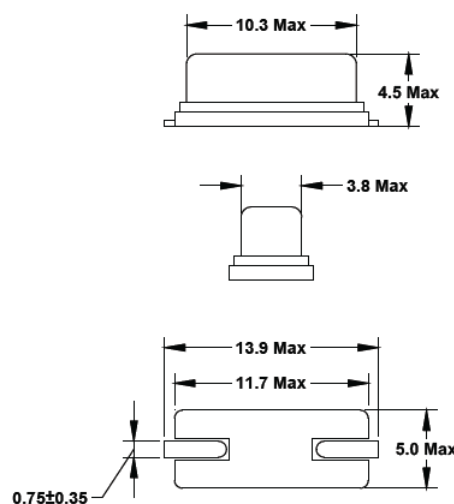
Part Number	Model Number	Frequency
278LF-24.8832-3	HC49SDLF	24.8832 MHz

### • STANDARD SPECIFICATIONS

PARAMETERS	MAX (unless otherwise noted)
Frequency	24.8832 MHz
Resonance Mode	Fundamental
Frequency Tolerance @ 25°C	±20 PPM
Frequency Stability, ref @ 25°C Over Operating Temp Range	±20 PPM
Temperature Range	
Operating (TOPR)	-40°C ~ +85°C
Storage (TSTG)	-40°C ~ +85°C
Equivalent Series Resistance (ESR)	20 Ohms
Shunt Capacitance (Co)	7 pF
Load Capacitance (CL)	10 pF
Drive Level	0.5 mW
Aging per year	±5.0 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish: (Ni underplate)	Sn-Ag-Cu
Weight (TYP)	649.385 mg

Note: Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, etc. may vary.  
The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies. All specifications subject to change without notice.

### B. Mechanical / Dimensions (millimeters):



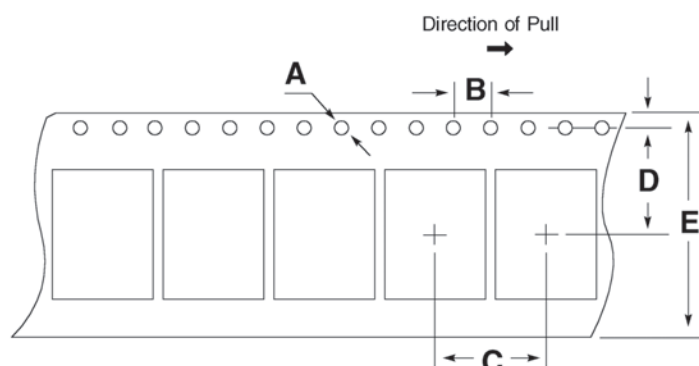
### Recommended HC49SD Solder Pad Layout



All dimensions are in millimeters.

### • TAPE SPECIFICATIONS (millimeters)

MODEL	A	B	C	D	E	F	STD Reel QTY
HC49SDLF	Ø1.5	4.0	12.0	11.5	24.0	4.8	1,000



### • REEL SPECIFICATIONS (millimeters)

MODEL	G	H	I	J	K	L	M
HC49SDLF	2.0	Ø13	Ø21	Ø80	Ø330	25.5	2.0

