

Distributor Stocking Part

Fox Part Number: **FOXSDLF/245FR-20**

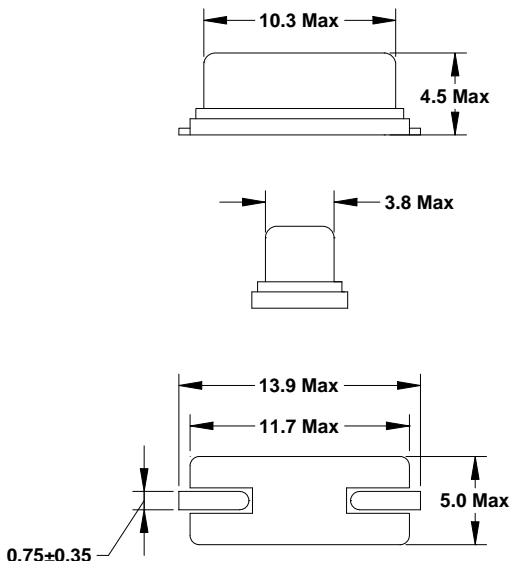


LEAD-FREE, RESISTANCE WELD, SMD, CRYSTAL
MODEL: HC49SDLF Series (please use FOXSDLF/245FR-20/TR for full, 1k, reels)
 RoHS / REACH Compliant / Pb Free

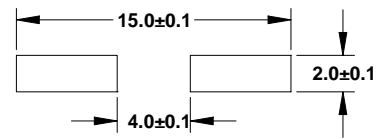
A. Specifications

Parameters	
Frequency	24.576 MHz
Resonance Mode	Fundamental
Frequency Tolerance @ 25°C	±30 PPM Max
Frequency Stability, ref @ 25°C Over Operating Temp. Range	±50 PPM Max
Temperature Range	
Operating (T _{OPR})	-40°C ~ +85°C
Storage (T _{STG})	-40°C ~ +125°C
Equivalent Series Resistance (ESR)	30 Ohms Max
Shunt Capacitance (C ₀) Absolute Maximum	7.0 pF
Load Capacitance (C _L)	20 pF
Drive Level	0.1 mW Max
Aging per year	±3 PPM Max
Maximum Soldering Temp / Time	260°C / 10 Seconds
Termination Finish (96.5%-3%-0.5%)	Sn – Ag – Cu
Moisture Sensitivity Level (MSL)	1
Weight (TYP)	649 mg

B. Mechanical / Dimensions (millimeters):

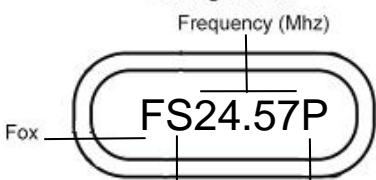


Recommended HC49SD Solder Pad Layout



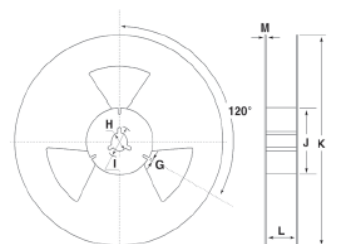
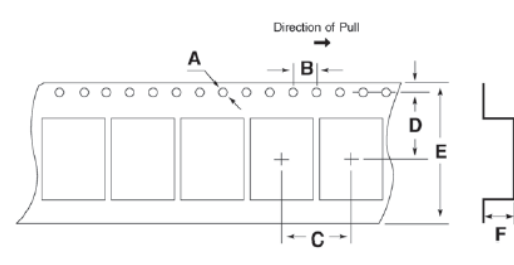
Tape and Reel Specification (mm)

Marking Format



HC49SLF P = Parallel Resonance
 or HC49SDLF (Blank = Series)

Standard reel quantity: 1,000



- A = Ø1.5
- B = 4.0
- C = 12.0
- D = 11.5
- E = 24.0
- F = 4.8
- G = 2.0
- H = Ø13
- I = Ø21
- J = Ø80
- K = Ø330
- L = 25.5
- M = 2.0

NOTE: 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.

Reference / Comments	Title / Description: Product Specifications		
Initial release	Drawing Number: DOC101002	Rev: 1	Size: A
	Part Number: FOXSDLF/245FR-20		Cage: 61429
	Draftsperson: AR	Approved: GB	Date: 05-20-2014