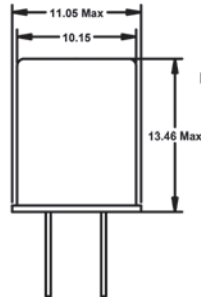
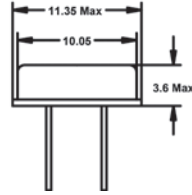
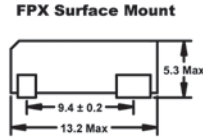
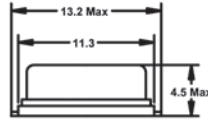
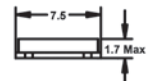


• FOX STANDARD SPECIFICATIONS

PARAMETER	HC49U*	HC49S/49SD	FPX	FE
Frequency Tolerance @ 25°C	±30PPM	±30PPM	±50PPM	±50PPM
Frequency Stability	±50PPM	±50PPM	±100PPM	±50PPM
Operating Temperature Range	-20°C ~ +70°C	-20°C ~ +70°C	-10°C ~ +70°C	-10°C ~ +60°C

*Optional third lead, vinyl sleeves (HC49U only), and mylar spacer. All specifications subject to change without notice.
** Measurements are displayed in Millimeters.

- Inventory Support
- Standard Packages
- Lowest Pricing
- Fox Quality
- Technical Support

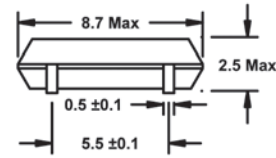
HC49U Resistance Weld

HC49S Resistance Weld

HC49SD Surface Mount

FE Surface Mount


Please Refer To Specification Sheets For Details

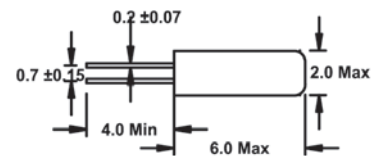
FREQ (MHz)	CL	HC49U	ESR Ω MAX	HC49S	ESR Ω MAX	HC49SD	ESR Ω MAX	FPX	ESR Ω MAX	FE	ESR Ω MAX
1.843200	13pF	FOX018S	800	---	---	---	---	---	---	---	---
2.000000	20pF	FOX020S	500	---	---	---	---	---	---	---	---
2.097152	20pF	FOX021S	500	---	---	---	---	---	---	---	---
2.457600	32pF	FOX024S	300	---	---	---	---	---	---	---	---
3.579545	18pF	FOX036S	120	FOXS/036S	200	FOXSD/036S	200	FPX036S	200	---	---
3.686400	SERIES	FOX0368S	120	FOXS/0368S	200	---	---	FPX0368S	200	---	---
3.686400	20pF	FOX0368-20	120	FOXS/0368-20	200	FOXSD/0368-20	200	FPX0368-20	200	---	---
4.000000	SERIES	FOX040A	100	FOXS/040A	150	---	---	FPX040A	150	---	---
4.000000	20pF	FOX040	100	FOXS/040	150	FOXSD/040	150	FPX040	150	---	---
4.096000	20pF	FOX0496-20	100	FOXS/0496-20	150	---	---	---	---	---	---
4.194304	12pF	FOX041	100	FOXS/041	150	FOXSD/041	150	---	---	---	---
4.433619	20pF	FOX0443	70	FOXS/0443	150	FOXSD/0443	150	---	---	---	---
4.915200	SERIES	FOX049	55	FOXS/049	150	---	---	FPX049	150	---	---
4.915200	20pF	FOX049-20	55	FOXS/049-20	150	FOXSD/049-20	150	FPX049-20	150	---	---
5.000000	20pF	FOX05A	50	---	---	FOXSD/05A	120	---	---	---	---
6.000000	SERIES	FOX060	40	---	---	---	---	---	---	---	---
6.000000	20pF	FOX060-20	40	---	---	FOXSD/060-20	120	---	---	---	---
6.144000	30pF	FOX061	40	---	---	---	---	---	---	---	---
6.144000	20pF	FOX061-20	40	---	---	---	---	---	---	---	---
7.372800	SERIES	FOX073	40	FOXS/073	80	---	---	FPX073	80	---	---
7.372800	20pF	FOX073-20	40	FOXS/073-20	80	FOXSD/073-20	80	FPX073-20	80	---	---
8.000000	SERIES	FOX080	35	FOXS/080	80	---	---	FPX080	80	---	---
8.000000	20pF	FOX080-20	35	FOXS/080-20	80	FOXSD/080-20	80	FPX080-20	80	---	---
8.192000	SERIES	FOX081	35	---	---	---	---	---	---	---	---
8.192000	20pF	FOX081-20	35	FOXS/081-20	80	FOXSD/081-20	80	FPX081-20	80	---	---
9.216000	SERIES	FOX092	35	---	---	---	---	---	---	---	---
9.830400	SERIES	FOX098	35	FOXS/098	60	---	---	---	---	---	---
9.830400	20pF	FOX098-20	35	FOXS/098-20	60	FOXSD/098-20	60	FPX098-20	60	FE098-20	60
10.000000	SERIES	FOX100	30	FOXS/100	60	---	---	FPX100	60	---	---
10.000000	20pF	FOX100-20	30	FOXS/100-20	60	FOXSD/100-20	60	FPX100-20	60	FE100-20	60
11.000000	SERIES	FOX111	30	---	---	---	---	---	---	---	---
11.000000	20pF	FOX111-20	30	FOXS/111-20	60	FOXSD/111-20	60	FPX111-20	60	---	---
11.059200	20pF	FOX115-20	30	FOXS/115-20	60	FOXSD/115-20	60	FPX115-20	60	FE115-20	60
12.000000	SERIES	FOX120	30	FOXS/120	60	---	---	FPX120	60	---	---
12.000000	20pF	FOX120-20	30	FOXS/120-20	60	FOXSD/120-20	60	FPX120-20	60	---	---
12.288000	20pF	FOX128-20	30	FOXS/128-20	60	FOXSD/128-20	60	FPX128-20	60	---	---
14.318180	20pF	FOX143-20	25	FOXS/143-20	40	FOXSD/143-20	40	FPX143-20	40	FE143-20	60
14.745600	20pF	FOX147-20	25	FOXS/147-20	40	FOXSD/147-20	40	FPX147-20	40	FE147-20	60
15.000000	20pF	---	---	---	---	---	---	---	---	FE150-20	60
16.000000	SERIES	FOX160	25	FOXS/160	40	---	---	FPX160	40	---	---
16.000000	20pF	FOX160-20	25	FOXS/160-20	40	FOXSD/160-20	40	FPX160-20	40	FE160-20	60
18.432000	SERIES	FOX184	20	---	---	---	---	---	---	---	---
18.432000	20pF	FOX184-20	20	FOXS/184-20	40	FOXSD/184-20	40	FPX184-20	40	---	---
19.660800	SERIES	FOX196	20	---	---	---	---	---	---	---	---
19.660800	20pF	FOX196-20	20	FOXS/196-20	40	FOXSD/196-20	40	FPX196-20	40	---	---
20.000000	SERIES	FOX200	20	FOXS/200	30	---	---	FPX200	30	---	---
20.000000	20pF	FOX200-20	20	FOXS/200-20	30	FOXSD/200-20	30	FPX200-20	30	FE200-20	40
22.118400	20pF	FOX221-20	20	FOXS/221-20	30	FOXSD/221-20	30	FPX221-20	30	FE221-20	40
24.000000	20pF	FOX240F-20	20	FOXS/240F-20	30	FOXSD/240F-20	30	FPX240F-20	30	FE240F-20	40
24.576000	20pF	FOX245F-20	20	FOXS/245F-20	30	FOXSD/245F-20	30	FPX245F-20	30	FE245F-20	40
25.000000	20pF	FOX250F-20	20	FOXS/250F-20	30	FOXSD/250F-20	30	FPX250F-20	30	FE250F-20	40
27.000000	20pF	---	---	---	---	FOXSD/270F-20	30	---	---	---	---
32.000000	20pF	FOX320-20 *	40	---	---	FOXSD/320-20 *	100	FPX320-20 *	100	---	---
48.000000	20pF	FOX480-20 *	40	---	---	FOXSD/480-20 *	100	FPX480-20 *	100	---	---
50.000000	20pF	FOX500-20 *	40	---	---	FOXSD/500-20 *	100	FPX500-20 *	100	---	---
56.448000	18pF	---	---	---	---	FOXSD/564-18 *	100	---	---	---	---
60.000000	20pF	FOX600-20 *	40	---	---	FOXSD/600-20 *	100	FPX600-20 *	100	---	---
64.000000	20pF	FOX640-20 *	40	---	---	FOXSD/640-20 *	100	FPX640-20 *	100	---	---

* 3rd Overtone. "F" suffix denotes fundamental. Rev. 6/1/04

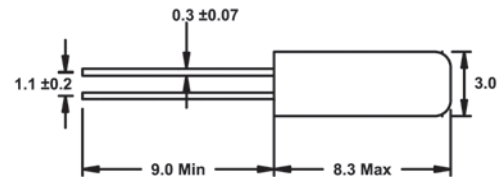
• FOX STANDARD SPECIFICATIONS	
PARAMETER	FSR327
Frequency	32.768 kHz
Frequency Tolerance	±20PPM
Frequency Stability	-0.04 PPM/(Δ°C) ²
Operating Temperature Range	-40°C ~ +85°C
Load Capacitance	12.5 pF
Drive Level	1.0 μW

FSR327


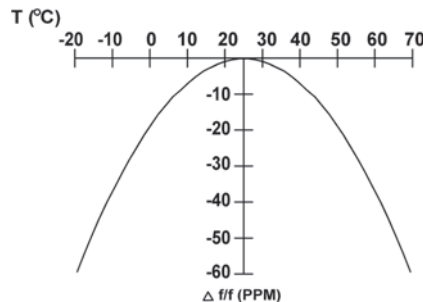
• FOX STANDARD SPECIFICATIONS	
PARAMETER	NC26
Frequency	32.768 kHz
Frequency Tolerance	±20PPM
Frequency Stability	-0.04 PPM/(Δ°C) ²
Operating Temperature Range	-20°C ~ +60°C
Load Capacitance	12.5 pF
Drive Level	1.0 μW

NC26


• FOX STANDARD SPECIFICATIONS	
PARAMETER	NC38
Frequency	32.768 kHz
Frequency Tolerance	±20PPM
Frequency Stability	-0.04 PPM/(Δ°C) ²
Operating Temperature Range	-20°C ~ +60°C
Load Capacitance	12.5 pF
Drive Level	1.0 μW

NC38


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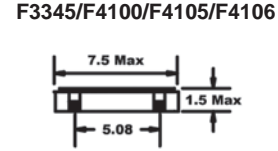
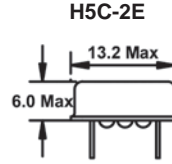
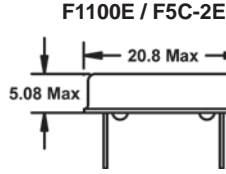
Parabolic Temperature Curve


To determine frequency stability, use parabolic curvature (K)
 For example: What is stability at 45°C?

- 1) Change in T (°C) = 45-25 = 20°C
- 2) Change in frequency = -0.04 PPM * (Δ C)²
 = -0.04 PPM * (20)²
 = -16.0 PPM

DISTRIBUTOR STOCKING ITEMS

- Inventory Support
- Standard Packages
- Lowest Pricing
- Fox Quality
- Technical Support



• FOX STANDARD SPECIFICATIONS						
PARAMETER	F1100E	F5C-2E	H5C-2E	F3345	F4100	F4105/F4106
Voltage	5V	5V	5V	5V	3.3V	3.3V
Frequency Stability	±100PPM	±100PPM	±100PPM	±100PPM	±100PPM	±50 / ±25PPM
Operating Temperature Range	0°C ~ +70°C	0°C ~ +70°C	0°C ~ +70°C	-10°C ~ +70°C	-10°C ~ +70°C	-10°C ~ +70°C
Output	TTL	HCMOS	HCMOS	HCMOS	HCMOS	HCMOS

FREQUENCY (MHz)	F1100E	F5C-2E	H5C-2E	F3345	F4100	F4105 /F4106	JITO-2
1.000000	F1100E-010		H5C2E-010				JITO-2
1.843200	F1100E-018			F3345-018	F4100-018		JITO-2
2.000000	F1100E-020						JITO-2
2.457600	F1100E-024						JITO-2
3.686400	F1100E-0368		H5C2E-0368		F4100-0368		JITO-2
4.000000	F1100E-040				F4100-040		JITO-2
6.000000	F1100E-060						JITO-2
7.372800	F1100E-073						JITO-2
8.000000	F1100E-080	F5C2E-080	H5C2E-080	F3345-080			JITO-2
10.000000	F1100E-100	F5C2E-100			F4100-100		JITO-2
11.059200	F1100E-115						JITO-2
12.000000	F1100E-120	F5C2E-120		F3345-120			JITO-2
14.318180	F1100E-143			F3345-143	F4100-143	F4105-143	JITO-2
14.745600	F1100E-147						JITO-2
16.000000	F1100E-160	F5C2E-160	H5C2E-160	F3345-160	F4100-160		JITO-2
18.432000	F1100E-184				F4100-184		JITO-2
20.000000	F1100E-200	F5C2E-200	H5C2E-200	F3345-200	F4100-200	F4105-200	JITO-2
24.000000	F1100E-240	F5C2E-240		F3345-240			JITO-2
25.000000	F1100E-250	F5C2E-250	H5C2E-250	F3345-250	F4100-250	F4105-250	JITO-2
32.000000	F1100E-320	F5C2E-320	H5C2E-320	F3345-320	F4100-320	F4105-320	JITO-2
33.333000					F4100-333		JITO-2
40.000000	F1100E-400	F5C2E-400	H5C2E-400	F3345-400	F4100-400	F4105-400	JITO-2
44.000000						F4106-440	JITO-2
48.000000	F1100E-480				F4100-480		JITO-2
50.000000	F1100E-500		H5C2E-500	F3345-500	F4100-500	F4105-500	JITO-2
60.000000				F3345-600	F4100-600		JITO-2
64.000000	F1100E-640		H5C2E-640	F3345-640			JITO-2
66.666700					F4100-666	F4105-666	JITO-2
80.000000	F1100E-800						JITO-2
100.000000	F1100E-1000					F4105-1000	JITO-2
106.250000					F4100-1062	F4105-1062	JITO-2
125.000000						F4105-1250	JITO-2

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