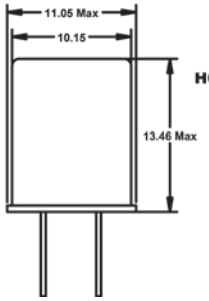
STANDARD CRYSTALS

• 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

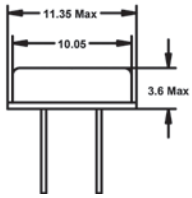
*Optional third lead, vinyl sleeves (HC49U only), and mylar spacer. *All specifications subject to change without notice..*
*** Measurements are displayed in Millimeters.*

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

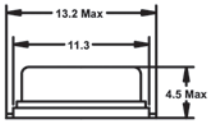
HC49U Resistance Weld



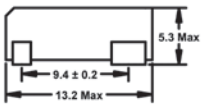
HC49S Resistance Weld



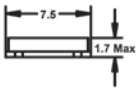
HC49SD Surface Mount



FPX 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*

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