

RESISTANCE WELD LOW PROFILE CRYSTAL

HC49S

The HC49S has the same lead spacing as the HC49U, but with a 3.6mm height it suits many space-limited applications. A surface mount version, the HC49SD, is also available.

FEATURES

- Low Profile
- Industry Standard
- Cost Effective
- "AT Strip"

OPTIONS

- Mylar Spacer
- Tape and Reel (1,000pcs. STD)

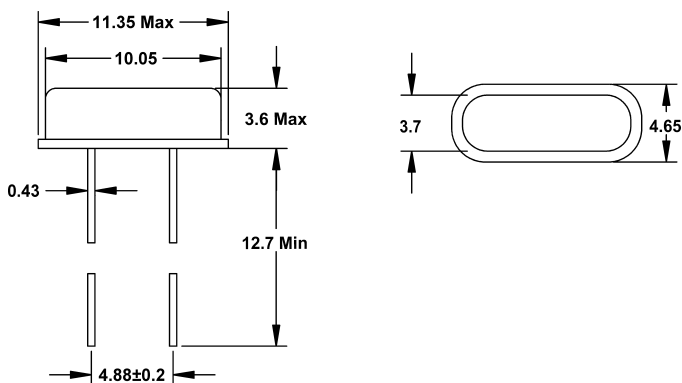


• HC49S STANDARD SPECIFICATIONS *

PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		3.200	70.000	MHz
Frequency Tolerance	Ta = 25°C	-30	+30	PPM
Frequency Stability, ref @ 25°C	Ta = -10°C ~ +70°C	-50	+50	PPM
Temperature Range				
Operating (TOPR)		-10	+70	°C
Storage (TSTG)		-30	+85	
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10.0	Series	pF
Drive Level	3.200 ~ 70.000 MHz		0.5	mW
Aging	Ta = 25°C; per year	-5.0	+5.0	PPM

Frequency Range (MHz)	Operating Mode	Max ESR Ω	Frequency Range (MHz)	Operating Mode	Max ESR Ω
3.200 ~ 3.500	Fundamental	300	7.000+ ~ 9.000	Fundamental	80
3.500+ ~ 4.000	Fundamental	200	9.000+ ~ 13.000	Fundamental	60
4.000+ ~ 5.000	Fundamental	150	13.000+ ~ 20.000	Fundamental	40
5.000+ ~ 6.000	Fundamental	120	20.000+ ~ 30.000	Fundamental	30
6.000+ ~ 7.000	Fundamental	100	27.000 ~ 70.000	3rd OT	100

* Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements, or use crystal order form on page 6.
All specifications subject to change without notice. Rev. 02/02/00



All dimensions are in millimeters.

See page 31 for tape and reel specifications.

HC49S Standard Crystals



[HC49S Spec. Sheet](#)

[Quote/Sample Request Form](#)



If you're interested in a Fox Standard Product, you may make an [on-line purchase](#) by going to this link.

<i>Frequency</i>	<i>CL</i>	<i>HC49S Part Number</i>	<i>ESR W Max</i>
3.579545	18pF	FOXS/036S	200
3.686400	SERIES	FOXS/0368S	200
3.686400	20pF	FOXS/0368-20	200
4.000000	SERIES	FOXS/040A	150
4.000000	20pF	FOXS/040	150
4.096000	20pF	FOXS/0496-20	150
4.194304	12pF	FOXS/041	150
4.433619	20pF	FOXS/0443	150
4.915200	SERIES	FOXS/049	150
4.915200	20pF	FOXS/049-20	150
7.372800	SERIES	FOXS/073	80
7.372800	20pF	FOXS/073-20	80
8.000000	SERIES	FOXS/080	80
8.000000	20pF	FOXS/080-20	80
8.192000	20pF	FOXS/081-20	80
9.830400	SERIES	FOXS/098	60
9.830400	20pF	FOXS/098-20	60
10.000000	SERIES	FOXS/100	60
10.000000	20pF	FOXS/100-20	60
11.000000	20pF	FOXS/111-20	60
11.059200	SERIES	FOXS/115	60
11.059200	20pF	FOXS/115-20	60
12.000000	SERIES	FOXS/120	60
12.000000	20pF	FOXS/120-20	60
12.288000	SERIES	FOXS/128	60
12.288000	20pF	FOXS/128-20	60
14.318180	SERIES	FOXS/143	40
14.318180	20pF	FOXS/143-20	40
14.745600	SERIES	FOXS/147	40
14.745600	20pF	FOXS/147-20	40
16.000000	SERIES	FOXS/160	40
16.000000	20pF	FOXS/160-20	40
18.432000	SERIES	FOXS/184-20	40
19.660800	20pF	FOXS196-20	40
20.000000	SERIES	FOXS/200	30
20.000000	20pF	FOXS/200-20	30
22.118400	20pF	FOXS/221-20	30
24.000000	SERIES	FOXS/240F	30
24.000000	20pF	FOXS/240F-20	30

24.576000	20pF	FOXS/245F-20	30
25.000000	20pF	FOXS/250F-20	30
32.000000	20pF	FOXS/320-20*	100
48.000000	20pF	FOXS/480-20*	100
50.000000	20pF	FOXS/500-20*	100
60.000000	20pF	FOXS/600-20*	100
64.000000	20pF	FOXS/640-20*	100

*3rd Overtone. "F" suffix denotes fundamental Rev. 08/30/00

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