

# MICRO MINIATURE "AT STRIP" CRYSTAL

## FX-3 Discontinued EOL - ECN520

The FX-3 "AT Strip" Crystal features miniaturization which makes it perfect for applications requiring small size. In terms of volume, the FX-3 is 75% smaller than the standard HC80 and is 90% smaller than the HC49U, with the smallest footprint of any crystal package.

### FEATURES

- Miniature Package
- Very Small Footprint
- Cost Effective
- Rugged Cold Weld Design

[Click to view mounting precautions](#)



### • FX-3 STANDARD SPECIFICATIONS \*

PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		3.579545	66.6667	MHz
Frequency Tolerance	Ta = 25°C	-50	+50	PPM
Frequency Stability, ref @ 25°C		See Table		PPM
Temperature Range		See Table		°C
Operating (TOPR)		-55	+125	
Storage (TSTG)				
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10.0	Series	pF
Drive Level	3.579545 ~ 66.6667 MHz		0.1	mW
Aging	Ta = 25°C; per year	-5.0	+5.0	PPM

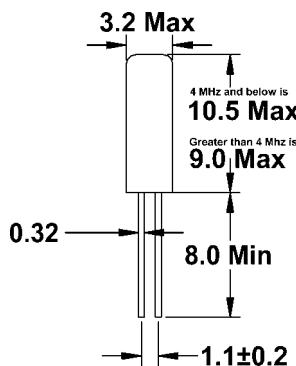
Frequency Range (MHz)	Operating Mode	Max ESR Ω
3.579545 ~ 4.0000	Fundamental	200 Std. (150 ~ 200 Optional)
4.000+ ~ 6.000	Fundamental	150 Std. (120 ~ 150 Optional)
6.000+ ~ 10.000	Fundamental	100 Std. (80 ~ 100 Optional)
10.000+ ~ 32.000	Fundamental	50 Std. (30 ~ 50 Optional)
30.000 ~ 36.000	3rd OT	100 Std. (80 ~ 100 Optional)
36.000+ ~ 66.6667	3rd OT	80 Std. (60 ~ 80 Optional)

\* 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. 01/10/00

Operating Temperature & Stability			
Frequency Range	-10°C ~ +60°C	-20°C ~ +70°C	-40°C ~ +85°C
3.579545 ~ 4.000	±50PPM	±80PPM	±150PPM
4.000+ ~ 6.000	±50PPM	±70PPM	±100PPM
6.000+ ~ 12.000	±30PPM	±50PPM	±80PPM
12.000+ ~ 66.6667	±30PPM	±40PPM	±60PPM

NOTE: This table shows the Max. stability of the same standard part over different operating temperature ranges.

ex: The same 8.000MHz standard part would have a Max. stability of ±30PPM over -10°C ~ +60°C, ±50PPM over -20°C ~ +70°C, and ±80PPM over -40°C ~ +85°C.



All dimensions are in millimeters.

# Mouser Electronics

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Fox:

[FX-3-4.9512-20](#) [FX-3-4.000MHZ SERIES](#) [FX-3-14.022-S](#)