

# PLASTIC ENCASED SMD CRYSTAL FPX

The FPX is a surface mount version of the FX-3. It has a special high temperature seal which is able to withstand SMD soldering techniques. Small size and availability in tape and reel make this product exceptional for SMD applications.

## FEATURES

- Industry Standard
- Cost Effective
- High Temperature Seal
- Space Saving Designs
- Tape and Reel (1,000 pcs. STD)

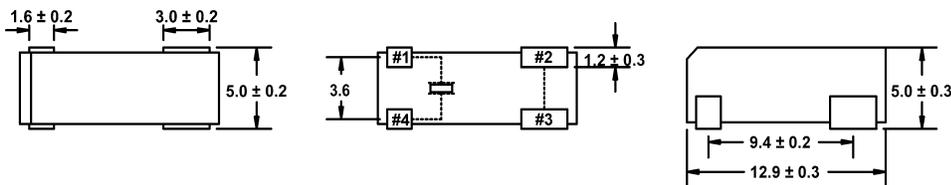


• FPX STANDARD SPECIFICATIONS *				
PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		3.579545	66.6667	MHz
Frequency Tolerance	Ta = 25°C	-50	+50	PPM
Frequency Stability, ref @ 25°C	Ta = -10°C ~ +70°C	-100	+100	PPM
Temperature Range				
Operating (TOPR)		-10	+70	°C
Storage (TSTG)		-55	+125	
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10.0	Series	pF
Aging	Ta = 25°C; per year	-5.0	+5.0	PPM
Drive Level			0.1	mW

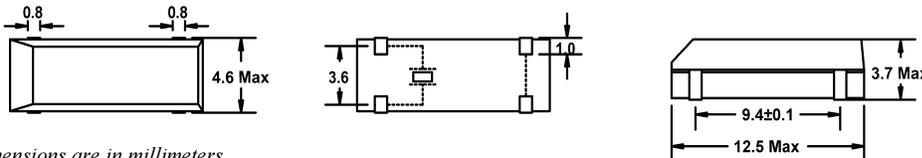
Frequency Range (MHz)	Operating Mode	Max ESR Ω	Frequency Range (MHz)	Operating Mode	Max ESR Ω
3.579 ~ 4.000	Fundamental	200	9.000+ ~ 13.000	Fundamental	60
4.000+ ~ 5.000	Fundamental	150	13.000+ ~ 20.000	Fundamental	40
5.000+ ~ 6.000	Fundamental	120	20.000+ ~ 30.000	Fundamental	30
6.000+ ~ 7.000	Fundamental	100	30.000 ~ 90.000	3rd OT	100
7.000+ ~ 9.000	Fundamental	80			

\* 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. 03/02/00

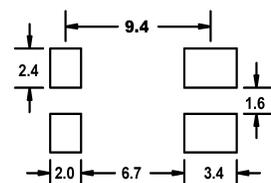
### Revision "A"



### Revision "C"



### Recommended Solder Pad Layout



Note: Solder Pad Layout accommodates both packages

All dimensions are in millimeters.

See page 31 for tape and reel specifications.