

TIGHT TOLERANCE THERMOPLASTIC ENCASED SMD CRYSTAL FK

The FK is an AT-cut tight tolerance SMD crystal designed to withstand extreme heat from IR reflow operations. This new compact package is formed before the crystal is inserted which allows for tighter tolerances and stabilities.

FEATURES

- Tight Tolerance and Stability
- Cost Effective
- Excellent Hermeticity
- Tape and Reel (1,000 pcs. STD)



Actual Size

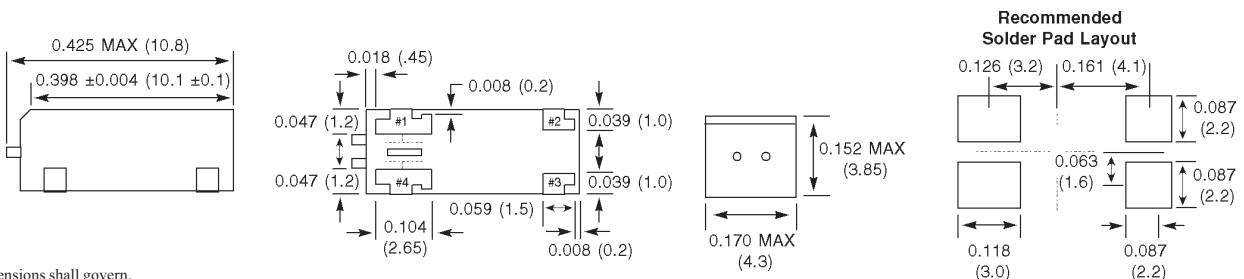
• FK STANDARD SPECIFICATIONS

PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		3.579545	90.000	MHz
Frequency Tolerance	Ta = 25°C	-20 *	+20 *	PPM
Frequency Stability, ref @ 25°C	See below			
Temperature Range				
Operating (TOPR)	See below			
Storage (TSTG)		-40	+90	°C
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10.0	Series	pF
Drive Level	3.579545 ~ 90.000 MHz		0.1	mW
Aging	Ta = 25°C; per year	-5.0	+5.0	PPM

Frequency Range (MHz)	Operating Mode	Max ESR Ω	Frequency Range (MHz)	Oper. 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			

Operating Temperature	±7.5PPM	±10PPM	±15PPM	±20PPM	±30PPM	±50PPM	±100PPM
0°C ~ +50°C	*	*	*	*	*	*	*
-10°C ~ +50°C	*	*	*	*	*	*	*
-10°C ~ +60°C	*	*	*	*	*	*	*
-10°C ~ +70°C	*	*	*	*	*	*	*
-20°C ~ +70°C		*	*	*	*	*	*
-30°C ~ +80°C			*	*	*	*	*
-40°C ~ +85°C				*	*	*	*

* Other tolerances available. Consult Fox Customer Service for specific requirements, or use crystal order form on page 6.
All specifications subject to change without notice. Rev. 6/2/98



Inch dimensions shall govern.
All dimensions are in inches & parenthetically in millimeters.
See page 26 for tape and reel specifications.