

# Ceramic Seam Sealed SMD Crystal



Model: FD

RoHS Compliant / Pb Free

Rev. 1/18/2006

[http://www.foxonline.com/need\\_a\\_sample.htm](http://www.foxonline.com/need_a_sample.htm)



## FEATURES

- High Frequency Range
- Fundamental to 200 MHz
- Inverted Mesa: 50-200 MHz
- Tape and Reel (3,000 pcs. STD)

## OPTIONS

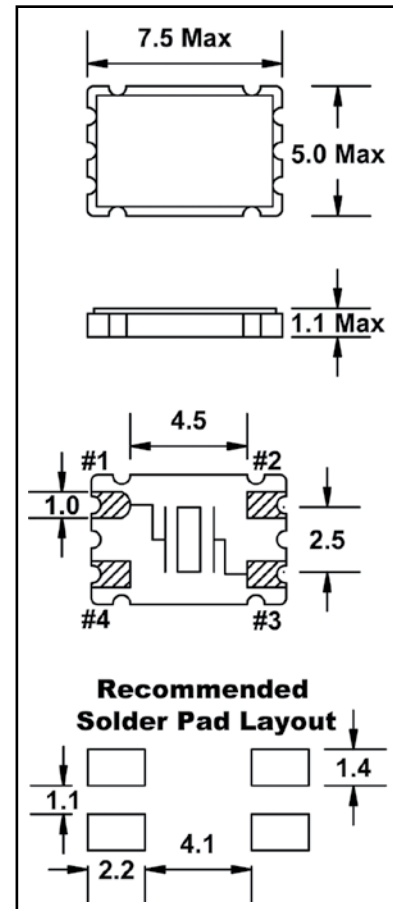
- Tolerances to 5 PPM
- Stabilities to 3 PPM
- Temperatures to -40°C ~ +85°C

• PART NUMBER <a href="#">Learn More</a> - Internet Required		
Part Number	Model Number	Frequency Range (MHz)
218-Frequency-xxxxx	FD	8.000 ~ 200.000

• STANDARD SPECIFICATIONS <sup>1</sup>	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range	8.000 ~ 200.000 MHz
Frequency Tolerance @ 25°C	±50 PPM
Frequency Stability, ref @ 25°C Over Operating Temp Range	±50 PPM
Temperature Range	
Operating (TOPR)	-10°C ~ +60°C
Storage (TSTG)	-40°C ~ +85°C
Shunt Capacitance (Co)	7.0 pF
Load Capacitance (CL)	10 pF ~ Series (Customer Specified)
Drive Level	
8.000 ~ 160.000 MHz (Fund to 50MHz, 3rd OT, 5th OT)	0.5 mW
50.000 ~ 200 MHz (Fund Inverted Mesa)	0.1 mW
Aging per year	±5 PPM

<sup>1</sup> Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements.  
All specifications subject to change without notice.

Frequency Range (MHz)	Operating Mode	Max ESR Ω
8.000 ~ 9.999	Fundamental	60
10.000 ~ 15.999	Fundamental	50
16.000 ~ 50.000	Fundamental	40
50.000 ~ 200.000	Fundamental (Inv. Mesa)	30
28.000 ~ 150.000	3rd OT	60
84.000 ~ 160.000	5th OT	80



All dimensions are in millimeters.

Learn more about:  
[Part Marking Identification](#)  
[Tape and Reel Specification](#)  
 Internet required