

# Ceramic Seam Sealed SMD Crystal



Model: FD

RoHS Compliant / Pb Free

Rev. 2/4/2010

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

Need a  
Sample®

## 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	6.000 ~ 200.000

• STANDARD SPECIFICATIONS <sup>1</sup>	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range	6.000 ~ 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
6.000 ~ 10.000	Fundamental	110
10.000+ ~ 16.000	Fundamental	60
16.000+ ~ 50.000	Fundamental	40
50.000+ ~ 200.000	Fundamental (Inv. Mesa)	30
28.000 ~ 176.000	3rd OT	60
84.000 ~ 200.000	5th OT	80

