

Ceramic Seam Sealed SMD Crystal



Model: FD

RoHS Compliant / Pb Free

Rev. 9/24/2012

http://www.foxonline.com/need_a_sample.htm

FEATURES

- High Frequency Range
- Fundamental to 218 MHz
- Inverted Mesa: 50-218 MHz
- Tape and Reel (3,000 pcs. STD)

OPTIONS

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

Need a
Sample®

• PART NUMBER

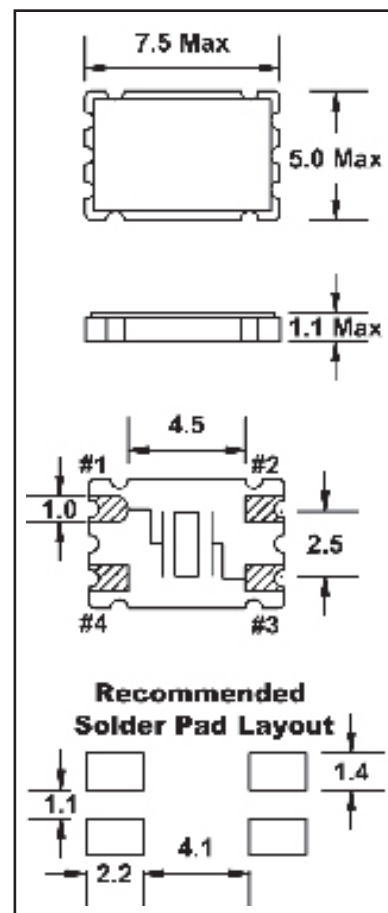
Part Number	Model Number	Frequency Range (MHz)
218-Frequency-xxxxx	FD	6.000 ~ 218.000

• STANDARD SPECIFICATIONS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range	6.000 ~ 218.000 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	
6.000 ~ 160.000 MHz (Fund to 50MHz, 3rd OT, 5th OT)	0.5 mW
50.000 ~ 218 MHz (Fund Inverted Mesa)	0.1 mW
Aging per year	±5 PPM

¹ 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 ~ 10.000	Fundamental	110
10.000 ~ 16.000	Fundamental	60
16.000 ~ 50.000	Fundamental	40
50.000 ~ 218.000	Fundamental (Inv. Mesa)	30
28.000 ~ 176.000	3rd OT	60
84.000 ~ 160.000	5th OT	80



All dimensions are in millimeters.

Ceramic Seam Sealed SMD Crystal



Model: FD

RoHS Compliant / Pb Free

Rev. 9/24/2012

http://www.foxonline.com/need_a_sample.htm



• TAPE SPECIFICATIONS(millimeters)

MODEL	A	B	C	D	E	F	STD Reel QTY
FD	Ø1.5	4.0	8.0	7.5	16.0	1.7	2,000

• REEL SPECIFICATIONS(millimeters)

MODEL	G	H	I	J	K	L	M
FD	2.0	Ø13	Ø21	Ø80	Ø250	17.5	2.0

