

MICRO MINIATURE CERAMIC SMD CRYSTAL FD

The FD, our miniature SMD crystal, features a 1.1mm max height, a 8.000MHz to 160MHz frequency range and standard microprocessor parameters for applications such as notebook computers, pocket LAN adapters, PCMCIA, and disk drives. An optional 10 PPM is available for telecommunications and other tight tolerance applications.

FEATURES

- Low Profile
- Wide Frequency Range
- Tight Stability Option
- Tight Tolerance Option
- AT Cut Crystal Blank
- Tape and Reel (3,000 pcs. STD)



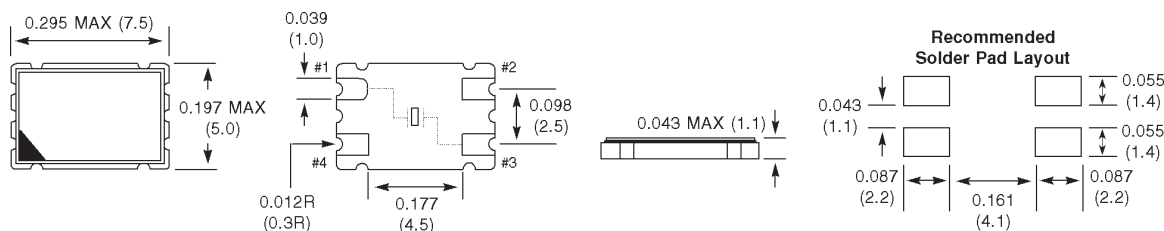
Actual Size

• FD STANDARD SPECIFICATIONS *

PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		8.000	160.000	MHz
Frequency Tolerance	Ta = 25°C	- 50	+ 50	PPM
Frequency Stability, ref @ 25°C	Ta = -10°C ~ +60°C	- 50	+ 50	PPM
Temperature Range				
Operating (TOPR)		-10	+60	°C
Storage (TSTG)		-30	+85	
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10.0	Series	pF
Drive Level	8.000 ~ 160.000 MHz		0.5	mW
Aging	Ta = 25°C; per year	-5.0	+5.0	PPM

Frequency Range (MHz)	Operating Mode	Max ESR Ω	Frequency Range (MHz)	Operating Mode	Max ESR Ω
8.000 ~ 16.000	Fundamental	60	28.000 ~ 84.000	3rd OT	60
16.000+ ~ 32.000	Fundamental	40	84.000 ~ 160.000	5th OT	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. 5/29/98



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