

# Ceramic SMD Crystal

Model: FX425B

RoHS Compliant / Pb Free

Rev. 5/10/2006

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Need a Sample®

## FEATURES

- Ultra Low Profile
- Fundamental

## OPTIONS

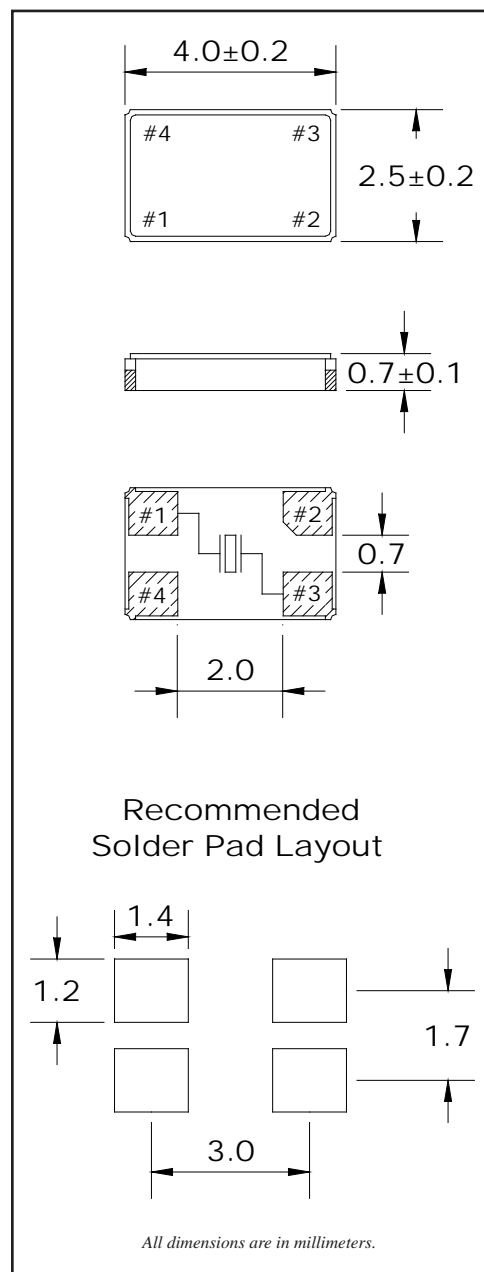
- Tolerances to  $\pm 10$  PPM
- Stabilities to  $\pm 10$  PPM
- Temp Range to  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

| PART NUMBER <a href="#">Learn More - Internet Required</a> |              |                       |
|------------------------------------------------------------|--------------|-----------------------|
| Part Number                                                | Model Number | Frequency Range (MHz) |
| 519-Frequency-xxxxx                                        | FX425B       | 12.000 ~ 50.000       |

| STANDARD SPECIFICATIONS <sup>1</sup>                         |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| PARAMETERS                                                   | MAX (unless otherwise noted)                                |
| Frequency Range                                              | 12.000 ~ 50.000 MHz                                         |
| Frequency Tolerance @ 25°C                                   | $\pm 50$ PPM <sup>1</sup>                                   |
| Frequency Stability, ref @ 25°C<br>Over Operating Temp Range | $\pm 50$ PPM <sup>1</sup>                                   |
| Temperature Range                                            |                                                             |
| Operating (TOPR)                                             | $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ <sup>1</sup> |
| Storage (TOPR)                                               | $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$              |
| Shunt Capacitance (Co)                                       | 7pF                                                         |
| Load Capacitance (CL)                                        | 10 pF ~ Series                                              |
| Drive Level                                                  | 0.1 mW                                                      |
| Aging per year                                               | $\pm 5.0$ PPM                                               |
| Reflow Soldering Temperature                                 | 260°C x 10 Seconds (2 Cycles)                               |
| Moisture Sensitivity Level (MSL)                             | 1                                                           |
| Termination Finish                                           | Ni/Au                                                       |

<sup>1</sup> Tighter tolerances, stabilities, and wider temp ranges available.  
 Note: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.  
 All specifications subject to change without notice.

| Frequency Range (MHz) | Operating Mode | Max ESR $\Omega$ |
|-----------------------|----------------|------------------|
| 12.000 ~ 12.999999    | Fundamental    | 120              |
| 13.000 ~ 50.000       | Fundamental    | 80               |



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| • TAPE SPECIFICATIONS (millimeters) |      |     |     |     |      |     |              |
|-------------------------------------|------|-----|-----|-----|------|-----|--------------|
| MODEL                               | A    | B   | C   | D   | E    | F   | STD Reel QTY |
| FX425B                              | ∅1.5 | 4.0 | 4.0 | 5.5 | 12.0 | 1.3 | 3,000        |

| • REEL SPECIFICATIONS (millimeters) |     |     |     |     |      |      |     |
|-------------------------------------|-----|-----|-----|-----|------|------|-----|
| MODEL                               | G   | H   | I   | J   | K    | L    | M   |
| FX425B                              | 2.0 | ∅13 | ∅21 | ∅80 | ∅180 | 13.5 | 2.0 |

