

Ceramic SMD Crystal



Model: FX425B

RoHS Compliant / Pb Free

Rev. 5/10/2006

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FEATURES

- Ultra Low Profile
- Fundamental

OPTIONS

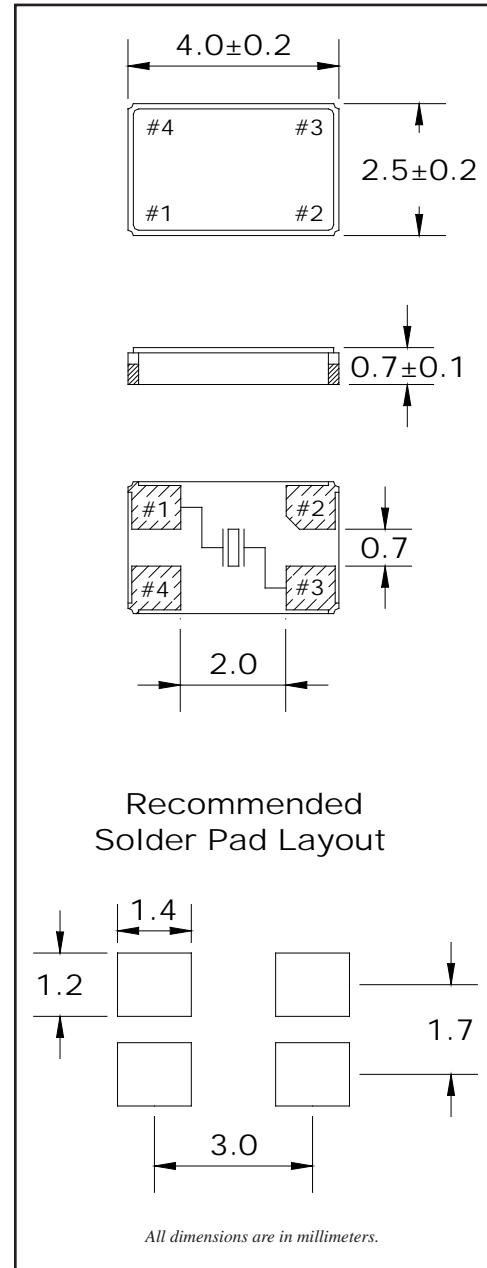
- Tolerances to ± 10 PPM
- Stabilities to ± 10 PPM
- Temp Range to $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

| • PART NUMBER Learn More - Internet Required | | |
|--|--------------|-----------------------|
| Part Number | Model Number | Frequency Range (MHz) |
| 519-Frequency-xxxxx | FX425B | 12.000 ~ 50.000 |

| • STANDARD SPECIFICATIONS ¹ | |
|--|---|
| PARAMETERS | MAX (unless otherwise noted) |
| Frequency Range | 12.000 ~ 50.000 MHz |
| Frequency Tolerance @ 25°C | ± 50 PPM ¹ |
| Frequency Stability, ref @ 25°C Over Operating Temp Range | ± 50 PPM ¹ |
| Temperature Range | |
| Operating (TOPR) | $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ ¹ |
| 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 | ± 5.0 PPM |
| Reflow Soldering Temperature | 260°C x 10 Seconds (2 Cycles) |
| Moisture Sensitivity Level (MSL) | 1 |
| Termination Finish | Ni/Au |

¹ 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 Ω |
|-----------------------|----------------|------------------|
| 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 |

