

# FOX CERAMIC SMD CRYSTAL

## Model: FX425 SERIES



### FEATURES

- Ultra Low Profile
- Fundamental

### OPTIONS

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



Quote it!

• PART NUMBER <small>Learn More - Internet Required</small>		
Part Number	Model Number	Frequency Range (MHz)
518-Frequency-xxxxx	FX425A	12.000 ~ 50.000
519-Frequency-xxxxx	FX425B	12.000 ~ 50.000

Learn more about:  
[Part Marking Identification](#)  
[Tape and Reel Specification](#)  
Internet required

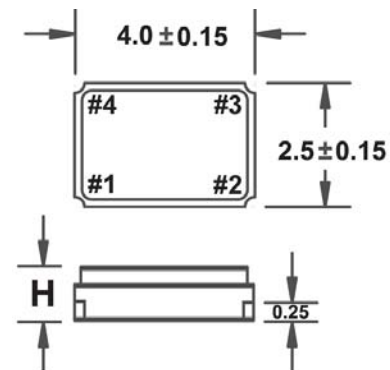
• STANDARD SPECIFICATIONS <sup>1</sup>	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range	12.000 ~ 50.000 MHz
Frequency Tolerance @ 25°C	$\pm 50$ PPM <sup>1</sup>
Frequency Stability, ref @ 25°C Over Operating Temp Range	$\pm 50$ PPM <sup>1</sup>
Temperature Range	
Operating (TOPR)	$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ <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.

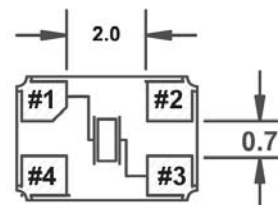
Note: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.

All specifications subject to change without notice. Rev. 5/17/05

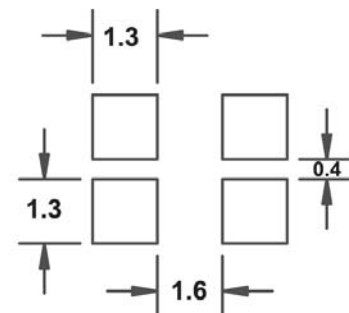
Frequency Range (MHz)	Operating Mode	Max ESR $\Omega$
12.000 ~ 12.999999	Fundamental	120
13.000 ~ 50.000	Fundamental	80



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 FX425A 0.8 $\pm$ 0.1 (Resin Seal)  
 FX425B 0.7 $\pm$ 0.1 (Seam Seal)



### Recommended Solder Pad Layout



All dimensions are in millimeters.