

# 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  $\pm 10$  PPM
- Stabilities to  $\pm 10$  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<sup>1</sup>

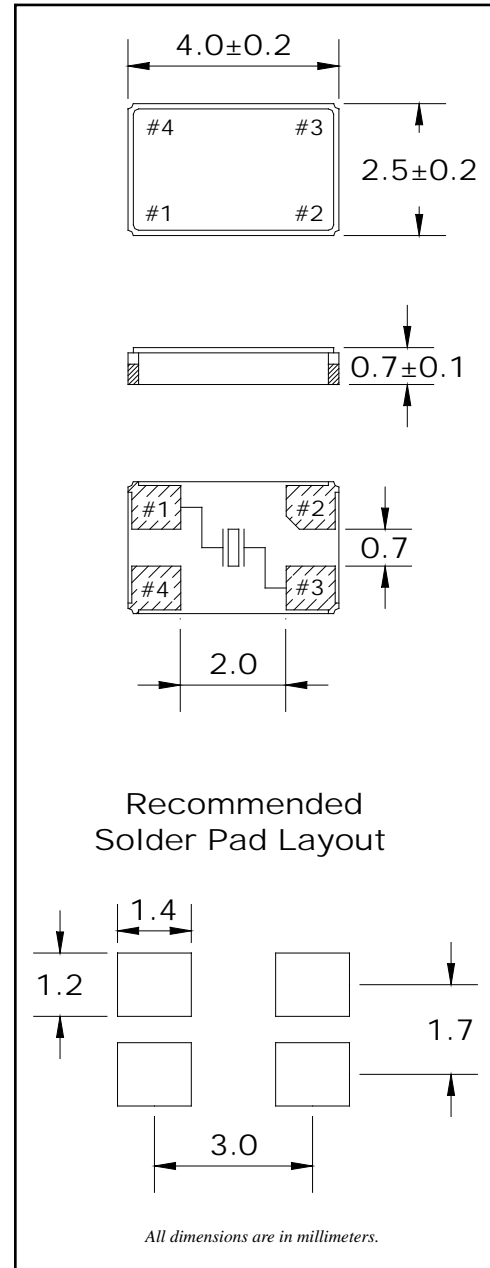
PARAMETERS	MAX (unless otherwise noted)
Frequency Range	12.000 ~ 50.000 MHz
Frequency Tolerance @ 25°C	$\pm 50$ PPM <sup>1</sup>
Frequency Stability, ref @ 25°C Over Operating Temp Range	$\pm 50$ PPM <sup>1</sup>
Temperature Range	
Operating (TOPR)	$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ <sup>1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

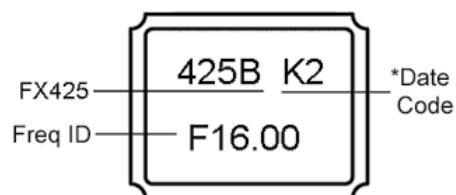
Note: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.

All specifications subject to change without notice.

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



## FX425B Marking Identification



D/C Option - Year/Month and Week

Example: 'H2', H = August 2005, 2 = 2nd week in August 2005

Year/Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2004	n	p	q	r	s	t	u	v	w	x	y	z
2005	A	B	C	D	E	F	G	H	J	K	L	M
2006	N	P	Q	R	S	T	U	V	W	X	Y	Z
2007	a	b	c	d	e	f	g	h	j	k	l	m

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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

