(Former FQ5032B)

## 5.0mm x 3.2mm SMD Crystal

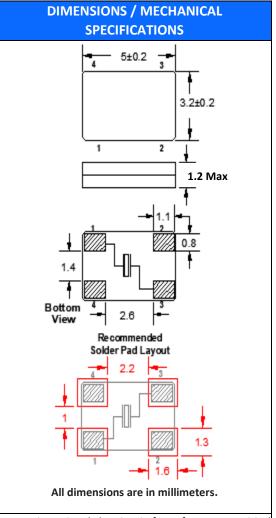


## **Features**

- Tolerances down to ±20 PPM
- Stabilities down to ±10 PPM

STANDARD SPECIFICATIONS					
PARAMETERS	MAX (Unless otherwise noted)				
Frequency Range	8.000 ~ 48.000 MHz				
Frequency Tolerance @ 25°C	(See options below)				
Frequency Stability, ref 25°C	(See options below)				
Temperature Range					
Operating (T <sub>OPR</sub> )	(See options below)				
Storage (T <sub>STG</sub> )	-40°C ~ +85°C				
Shunt Capacitance (C <sub>0</sub> )	5 pF				
Load Capacitance (C <sub>L</sub> )	(See options below)				
Drive Level	0.5mW				
Aging per year (@ 25°C)	±5 PPM				
Termination Finish	Ag				
Seal Method	Resin				
Lead (Pb) Free	Yes				
RoHS Compliant	Yes				

Frequency Range (MHz)	<b>Operating Mode</b>	Max ESR $\Omega$
8.000000 ~ 11.999999	Fundamental	100
12.000000 ~ 16.000	Fundamental	80
16.000001 ~ 48.000	Fundamental	50



Note: Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, etc. may vary

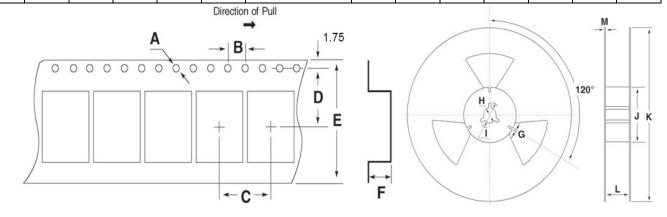
	AVAILABLE O	PERATING TEN	/IPERATURES A	ND STABILITIE	S*	
<b>Operating Temperature</b>	±10 PPM	±15 PPM	±20 PPM	±25 PPM	±30 PPM	±50 PPM
0 ~+70°C	0	0	0	0	0	0
-20 ~+70°C	0	0	0	0	0	0
-40 ~+85°C	Х	Х	Х	Х	0	0
Kev: O = Available	e. X = Not Availal	ole. Δ = Consult I	Fox Technical Su	pport *Does not	imply a stocked	part.



## 5.0mm x 3.2mm SMD Crystal



TAPE SPECIFICATIONS (mm)								RE	EL SPE	CIFICAT	IONS (m	m)	
Α	В	С	D	E	F	REEL QTY	G	Н	ı	J	К	L	М
ø1.55	4.0	8.0	5.5	12.0	1.4	-T1 = 1,000	2.0	Ø13	Ø21	Ø62	Ø180	13.5	2.0



	,	Available O <sub>l</sub>		Identificatio FC5BQCCM	n for SMD Crysta 1C25.0-T1	l C5BQ <sup>1</sup>	
F	C5BQ	C	С	M	С	25.0	-T1
<u>Fox</u>	Model Number	Tolerance B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM	Stability B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM	Load Capacitance <sup>2</sup> V = 7pF D = 8pF E = 10pF G = 12pF J = 15pF K = 16pF L = 18pF M = 20pF	Operating Temperature C = 0 to +70°C F = -20 to +70°C M = -40 to +85°C	Frequency (MHz)	Values Added Options Blank = Bulk T1 = 1,000 pcs

<sup>1</sup> Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.

<sup>2</sup> Listed load capacitances represent the most commonly used. Other load capacitances are available. Contact us for assistance

Reliability Test Conditions
Please contact Abracon Quality Assurance department