FC3BS

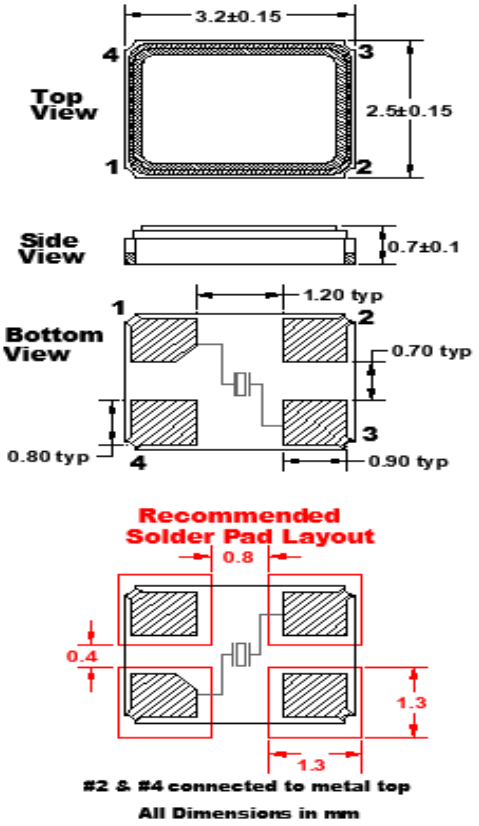
(Former FX325BS)

3.2mm x 2.5mm
Ceramic SMD Crystal

STANDARD SPECIFICATIONS	
PARAMETERS	**MAX (Unless otherwise noted)**
Frequency Range	8.000 ~ 54.000 MHz
Frequency Tolerance @ 25°C	(See options below)
Frequency Stability, ref 25°C	(See options below)
Temperature Range Operating (T_{OPR}) Storage (T_{STG})	 (See options below) -55°C ~ +125°C
Shunt Capacitance (C_O)	3.0 pF
Load Capacitance (C_L)	(See options below)
Drive Level	100 µW
Aging per year (@ 25°C)	±5 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL) per J-STD-033	1
Termination Finish	Au (0.3~1.0µm) over Ni (1.27~8.89µm)
Seal Method	Seam
Lead (Pb) Free	Yes
RoHS Compliant	Yes

Frequency Range (MHz)	Operating Mode	Max ESR Ω
8.000 ~ 9.999999	Fundamental	500
10.000 ~ 11.999999	Fundamental	150
12.000 ~ 15.999999	Fundamental	80
16.000 ~ 19.999999	Fundamental	60
20.000 ~ 24.999999	Fundamental	50
25.000 ~ 54.000	Fundamental	40

DIMENSIONS / MECHANICAL SPECIFICATIONS



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 OPERATING TEMPERATURES AND STABILITIES*								
Operating Temperature	**±5 PPM**	**±10 PPM**	**±15 PPM**	**±20 PPM**	**±25 PPM**	**±30 PPM**	**±50 PPM**	**±100 PPM**
0°C ~ +50°C	X	O	O	O	O	O	O	N/A
0°C ~ +70°C	X	O	O	O	O	O	O	N/A
-10°C ~+60°C	O	O	O	O	O	O	O	N/A
-10°C ~+70°C	X	O	O	O	O	O	O	N/A
-20°C ~+70°C	X	O	O	O	O	O	O	N/A
-30°C ~+85°C	X	X	O	O	O	O	O	N/A
-40°C ~+85°C	X	X	O	O	O	O	O	N/A
-40°C ~+105°C	X	X	X	X	X	X	O	O
-40°C ~+125°C	X	X	X	X	X	X	O	O
-55°C ~+125°C	X	X	X	X	X	X	O	O
Key: O = Available, X = Not Available, N/A = Not applicable *Does not imply a stocked part.								

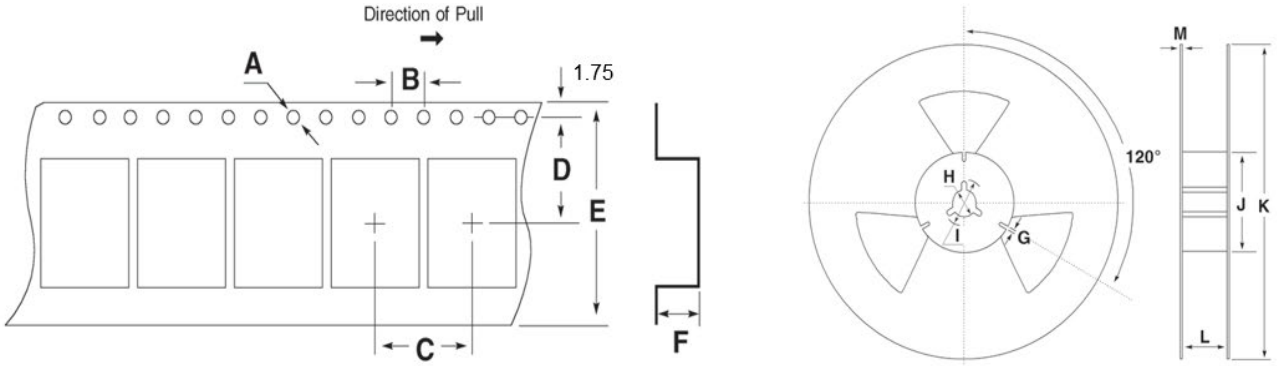
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TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.55	4.0	4.0	3.5	8.0	1.3	-T3 = 3,000 -T2 = 2,000 -T1 = 1,000	2.0	Ø13	Ø21	Ø80	Ø180	9.0	2.0



Available Options & Part Identification for Crystal Model C3BS[1]

FC3BSBBGM25.0-T1

F	C3BS	B	B	G	M	25.0	-T1
Fox	**Model Number**	**Tolerance** **B = ±50 PPM** C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM	**Stability** A = ±100 PPM **B = ±50 PP**M C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM L = ±5 PPM	**Load Capacitance[2]** V = 7pF D = 8pF W = 9pF E = 10pF **G = 12PF** J = 15PF K = 16PF L = 18pF M = 20pF	**Operating Temperature** A = 0 to +50°C C = 0 to +70°C D = -10 to +60°C E = -10 to +70°C F = -20 to +70°C K = -30 to +85°C **M = -40 to +85°C** P = -40 to +105°C I = -40 to +125°C T = -55 to +125°C	**Frequency (MHz)**	**Values Added Options** Blank = Bulk T1 = 1,000 pcs T2 = 2,000 pcs T3 = 3,000 pcs

1 Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.
2 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

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