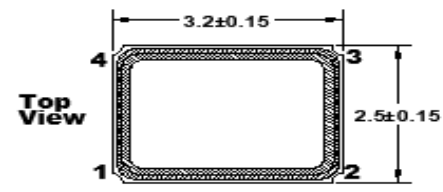
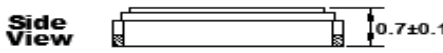
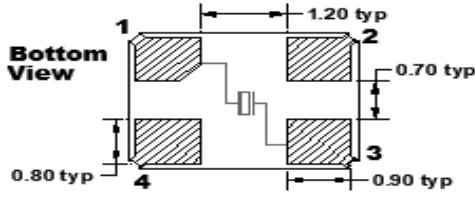
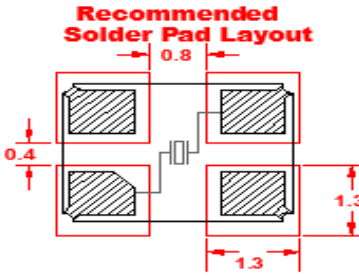


STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	8.000 ~ 54.000 MHz
Frequency Tolerance @ 25°C	(See options below)
Frequency Stability, ref 25°C	(See options below)
Temperature Range	
Operating (T _{OPR})	(See options below)
Storage (T _{STG})	-55°C ~ +125°C
Shunt Capacitance (C ₀)	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	
	
	
	
Recommended Solder Pad Layout  #2 & #4 connected to metal top All Dimensions in mm	
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.								

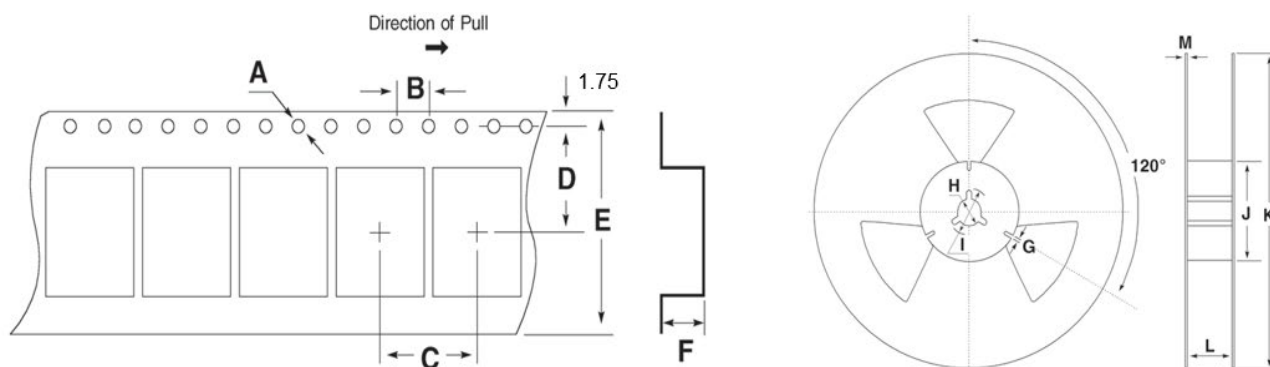
FC3BS

(Former FX325BS)

3.2mm x 2.5mm
Ceramic SMD Crystal



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 C3BS¹

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 PPM 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[FC3BSBBLM26.0-T1](#) [FC3BSBBLM26.0-T2](#) [FC3BSBBLM26.0-T3](#) [FC3BSBCGM30.0-T3](#) [FC3BSCALP12.0-T3](#)
[FC3BSCBGM25.0-T3](#) [FC3BSCCKM27.095-T1](#) [FC3BSCCKM27.095-T2](#) [FC3BSCCKM27.095-T3](#) [FC3BSDCEE12.288-](#)
[T3](#) [FC3BSEBEP20.0-T1](#) [FC3BSEBEP24.0-T1](#) [FC3BSECDM12.0-T1](#) [FC3BSECGM8.0-T3](#) [FC3BSHBDI12.0-T1](#)
[FC3BSHBDI12.0-T2](#) [FC3BSHBDI12.0-T3](#) [FC3BSHHED10.0-T1](#) [FC3BSHHEK48.0-1-T3](#) [FC3BSHHGF32.0-T3](#)
[FC3BSHHWF24.0-T3](#)