(Former FX1612B)

Ceramic SMD Crystal

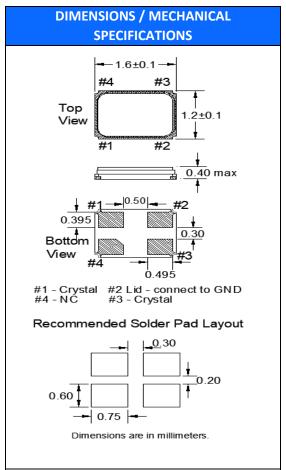


Features

- Tolerances down to ±10 PPM
- Stabilities down to ±10 PPM
- Temperature Ranges as wide as -55°C to +125°C

STANDARD SPECIFICATIONS						
PARAMETERS	MAX (Unless otherwise noted)					
Frequency Range	23.900 ~ 80.000 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})	-40°C ~ +85°C					
Shunt Capacitance (C ₀)	3 pF					
Load Capacitance (C∟)	(See options below)					
Drive Level	100 μW					
Aging per year (@ 25°C)	±3 PPM					
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2					
Moisture Sensitivity Level (MSL) per	N/A					
J-STD-033						
Termination Finish	Au (0.3~1μm) over Ni					
	(1.27~8.89μm)					
Seal Method	Seam					
Lead (Pb) Free	Yes					
RoHS Compliant	Yes, no exemptions					
REACH Compliant (latest version)	Yes					

Frequency Range (MHz)	Operating Mode	Max ESR Ω
23.900 ~ 29.999999 MHz	Fundamental	150
30.000 ~ 80.000 MHz	Fundamental	100



Note: Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellation's, Reference pin shape, reference pin location, etc. may vary.

AVAILA	AVAILABLE OPERATING TEMPERATURES AND STABILITIES*							
Operating Temperature	±10 PPM	±15 PPM	±20 PPM	±25 PPM	±30 PPM	±50 PPM	±100 PPM	
-10 ~+60°C	0	0	0	0	0	0	N/A	
-10 ~+70°C	0	0	0	0	0	0	N/A	
-20 ~+70°C	0	0	0	0	0	0	N/A	
-30 ~+85°C	Х	0	0	0	0	0	N/A	
-40 ~+85°C	Х	0	0	0	0	0	N/A	
-40 ~+105°C	Х	Х	Х	Х	Х	0	0	
-40 ~+125°C	Х	Х	Х	Х	Х	0	0	
-55 ~+125°C	Х	Х	Х	Х	Х	0	0	
Key:	Key: O = Available, X = Not Available, N/A = Not Applicable							

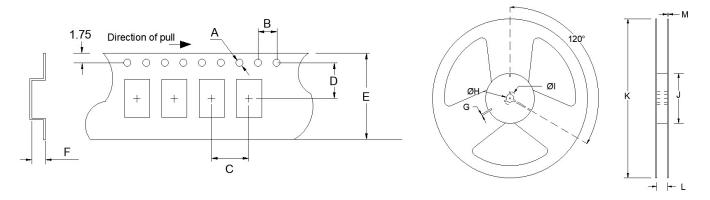


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1.6mm x 1.2 mm

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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	4.0	3.5	8.0	0.45	-T1 = 1,000 -T2 = 2,000 -T3 = 3,000	2.0	Ø13	Ø21	Ø60	Ø180	9.0	1.2



	Available Options & Part Identification for SMD Crystal C0BS ¹ Sample PN: FC0BSBCVM40.0-T3								
F	COBS	В	С	V	M	40.0	-Т3		
Fox	Model Number	Tolerance B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM	B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM	Load Capacitance ² C = 4 pF V = 7pF D = 8pF E = 10pF G = 12pF M = 20PF	Operating Temperature 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	<u>Frequency</u> (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 conta	act Abracon Quality Assurance department	