FCOBS (Former FX1612B)



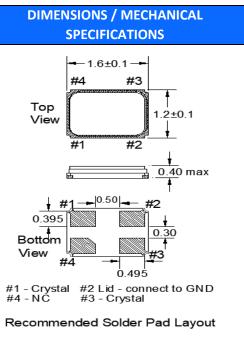


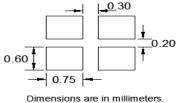
Features

- 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 (CL)	(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 J-STD-033	N/A					
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.

±10 PPM	±15 PPM	±20 PPM				
		120 PPIVI	±25 PPM	±30 PPM	±50 PPM	±100 PPM
0	0	0	0	0	0	N/A
0	0	0	0	0	0	N/A
0	0	0	0	0	0	N/A
Х	0	0	0	0	0	N/A
Х	0	0	0	0	0	N/A
Х	Х	Х	Х	Х	0	0
Х	Х	Х	Х	Х	0	0
Х	Х	Х	Х	Х	0	0
_	0 X X X X X X X	O O X O X O X X X X X X X X X X X X	O O O X O O X O O X O O X X X X X X X X X X X X X X X	O O O O X O O O O X O O O O X O O O O X X X X X X X X X X	O O	O O

Key: O = Available, X = Not Available, N/A = Not Applicable

1.6mm x 1.2 mm

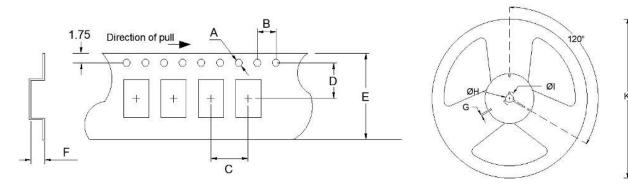


M

-+ |+- L

Ceramic SMD Crystal

TAPE SPECIFICATIONS (mm)					REEL SPECIFICATIONS (mm)								
Α	В	С	D	E	F	REEL QTY	G	н	I	J	к	L	м
ø1.55	4.0	4.0	3.5	8.0	0.45	-T1 = 1,000 -T2 = 2,000	2.0	Ø13	Ø21	Ø60	Ø180	9.0	1.2
Ø1.55	4.0	4.0	3.5	8.0	0.45	-12 = 2,000 - T3 = 3,000	2.0	ØI3	ØZI	Ø60	Ø180	9.0	



Available Options & Part Identification for SMD Crystal COBS ¹ Sample PN: <u>FCOBSBCVM40.0-T3</u>								
F	COBS	В	С	V	М	40.0	-ТЗ	
<u>Fox</u>	<u>Model</u> <u>Number</u>	Tolerance B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 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	$\frac{Operating}{Temperature}$ 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> <u>(MHz)</u>	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	