FC6BS (Former FMB)

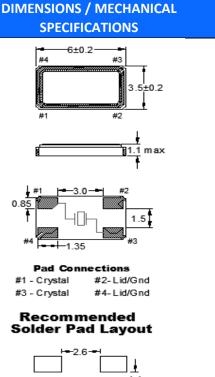




Features

- Tolerances down to 10 PPM
- Stabilities down to 5 PPM
- Temperature Ranges as wide as -55°C to +125°C

STANDARD SPECIFICATIONS						
PARAMETERS	MAX (Unless otherwise noted)					
Frequency Range	7.3728 ~ 133.000 MHz					
Frequency Tolerance @ 25°C	(See options below)					
Frequency Stability, ref 25°C	(See options below)					
Temperature Range						
Operating (TOPR)	(See options below)					
Storage (T _{STG})	-55°C ~ +125°C	55°C ~ +125°C				
Shunt Capacitance (C ₀)	5.0 pF					
Load Capacitance (C _L)	(See options below)					
Drive Level	100µW					
Aging per year (@ 25°C)	±5 PPM					
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2					
Moisture Sensitivity Level (MSL) per	1	1				
J-STD-033						
Termination Finish	Au over Ni					
Seal Method	Seam					
Lead (Pb) Free	Yes					
RoHS Compliant	Yes					
Frequency Range (MHz)	Operating Mode	Max ESR Ω				
7.3728 ~ 7.999999	Fundamental	100				
8.000 ~ 9.999999	Fundamental	70				
10.000 ~ 11.999999	Fundamental	50				
12.000 ~ 19.999999	Fundamental	30				
20.000 ~ 24.999999	Fundamental	25				
25.000 ~ 200.000	Fundamental 20					
40.000 ~ 51.999999	3 RD OT	100				
52.000 ~ 71.999999	3 RD OT	80				



1.3 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 ~+70°C	Х	0	0	0	0	0	0	N/A
-10°C ~ +60°C	0	0	0	0	0	0	0	N/A
-10°C ~ +70°C	Х	0	0	0	0	0	0	N/A
-20°C ~ +70°C	Х	0	0	0	0	0	0	N/A
-30°C ~ +85°C	Х	Х	0	0	0	0	0	N/A
-40°C ~ +85°C	Х	Х	0	0	0	0	0	N/A
-40°C ~ +105°C	Х	Х	Х	Х	Х	Х	0	0
-40°C ~ +125°C	Х	Х	Х	Х	Х	Х	0	0
-55°C ~ +125°C	Х	Х	Х	Х	Х	Х	0	0
Key: O = Available, X = Not Available, N/A=Not Applicable, *Does not imply a stocked part.								

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3RD OT

Revised B: 7/21/2021

72.000 ~ 133.000

FC6BS

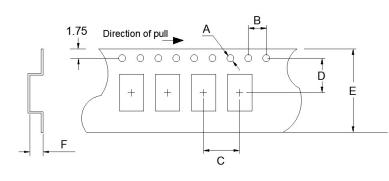
6mm x 3.5mm

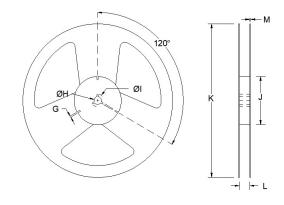


(Former FMB)

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	8.0	5.5	12.0	1.8	-T1 = 1,000 -T2 = 2,000	2.0	Ø13	Ø21	Ø80	Ø178	13.5	2.0





Available Options & Part Identification for Ceramic SMD Crystal FC6BS ¹ Sample PN: FC6BSCCEM25.0-T1								
F	C6BS	С	С	E	М	25.0	-T1	
<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 F = ±15 PPM	Load Capacitance ² V = 7pF E = 10pF G = 12pF J = 15pF K = 16pF L = 18pF M = 20pF N = 22pF	$\frac{Operating}{Temperature}$ 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	

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:

FC6BQBBMM25.0-T1 FC6BSCBLM16.0-T1 FC6BSCBLM16.0-T2