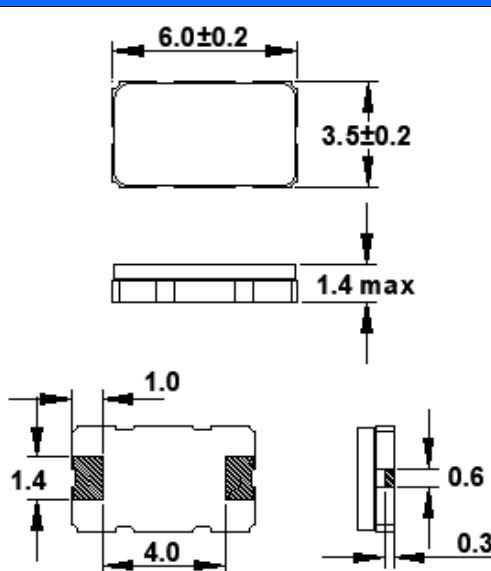
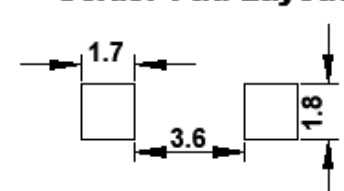


Features

- Tolerances down to ± 20 PPM
- Stabilities down to ± 20 PPM
- Temperature Ranges to -40°C to $+85^{\circ}\text{C}$

STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	8.000 ~ 67.000 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})	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Shunt Capacitance (C_0)	5 pF
Load Capacitance (C_L)	(See options below)
Drive Level	100 μW
Aging per year (@ 25°C)	± 5.0 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2
Moisture Sensitivity Level (MSL) per J-STD-033	1
Termination Finish	Au over Ni
Seal Method	Resin
Lead (Pb) Free	Yes
RoHS Compliant	Yes

Frequency Range (MHz)	Operating Mode	Max ESR Ω
8.000 ~ 8.999999	Fundamental	150
9.000 ~ 9.999999	Fundamental	80
10.000 ~ 16.000	Fundamental	60
16+ ~ 50.000	Fundamental	40
40.000 ~ 67.000	3 RD OT	70

DIMENSIONS / MECHANICAL SPECIFICATIONS
 Recommended Solder Pad Layout  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	± 20 PPM	± 25 PPM	± 30 PPM	± 50 PPM
$0^{\circ}\text{C} \sim +70^{\circ}\text{C}$	O	O	O	O
$-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$	O	O	O	O
$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$	O	O	O	O
$-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$	X	X	O	O
$40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	X	X	O	O
Key: O = Available, X = Not Available				

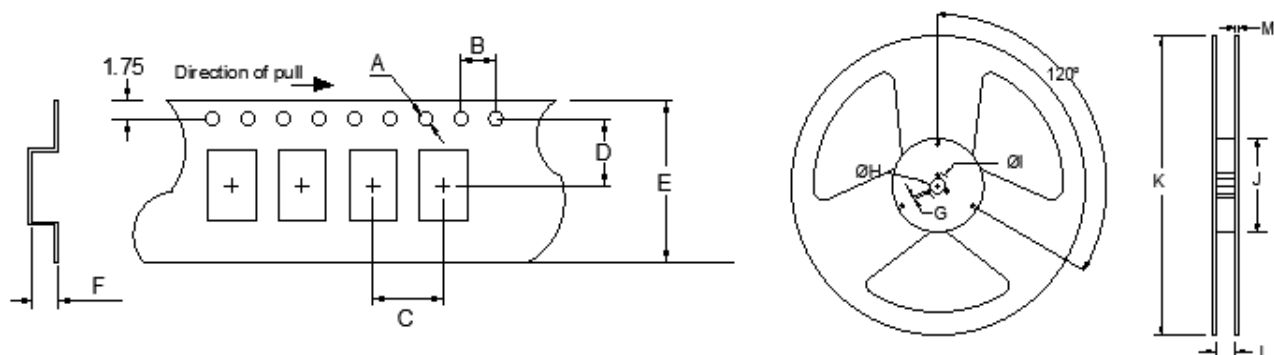
FC6AS

(Former FQA)

6.0mm x 3.5mm
Ceramic SMD Crystal



TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.5	4.0	8.0	5.5	12.0	1.9	-T1 = 1,000 -T2 = 2,000	2.0	ø13	ø21	ø80	ø250	13.5	2.0



Available Options & Part Identification for Crystal Model C6AS¹

Sample PN: **FC6ASBBME12.0-T1**

F	C6AS	B	B	M	E	12.0	-T1
<u>Fox</u>	<u>Model Number</u>	<u>Tolerance</u> B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM	<u>Stability</u> A = ±100 PPM B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM	<u>Load Capacitance</u> ² B = 10pF G = 12pF U = 13pF K = 16pF L = 18pF M = 20pF	<u>Operating Temperature</u> C = 0 ~ +70°C E = -10 ~ +70°C F = -20 ~ +70°C K = -30 ~ +85°C M = -40 ~ +85°C	<u>Frequency (MHz)</u>	<u>Values Added Options</u> 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:

[FC6ASBCLF25.0-T1](#) [FC6ASBCLF25.0-T2](#) [FC6ASBCLF26.0-T1](#) [FC6ASBCLF26.0-T2](#) [FC6ASCCGF24.0-BULK](#)
[FC6ASCCGF24.0-T1](#) [FC6ASCCGF24.0-T2](#) [FC6ASCCLC25.0-BULK](#) [FC6ASCCLC25.0-T1](#) [FC6ASCCLC25.0-T2](#)