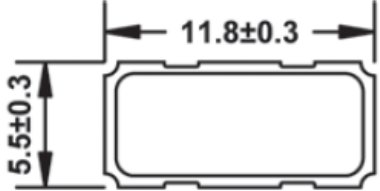

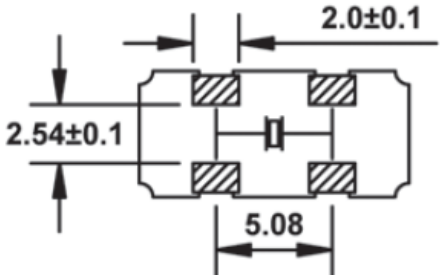
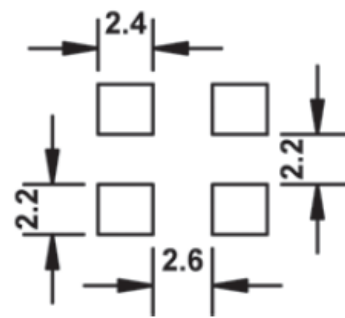


Features

- Low Cost
- Low Frequency (<7.2MHz)
- Resin Sealed

STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	3.200 ~ 7.200 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 _O)	7.0 pF
Load Capacitance (C _L)	(See options below)
Drive Level	0.1 mW
Aging per year (@ 25°C)	±5 PPM
Termination Finish	Ag
Seal Method	Resin
Lead (Pb) Free	Yes
RoHS Compliant	Yes

Frequency Range (MHz)	Operating Mode	Max ESR Ω
3.200 ~ 3.499	Fundamental	200
3.500 ~ 3.999	Fundamental	140
4.000 ~ 4.399	Fundamental	120
4.400 ~ 4.899	Fundamental	100
4.900 ~ 5.999	Fundamental	80
6.000 ~ 6.999	Fundamental	60
7.000 ~ 7.200	Fundamental	50

DIMENSIONS / MECHANICAL SPECIFICATIONS



<p style="text-align: center;">Recommended Solder Pad Layout</p> 
<p>All dimensions are in millimeters</p>

FC8AC

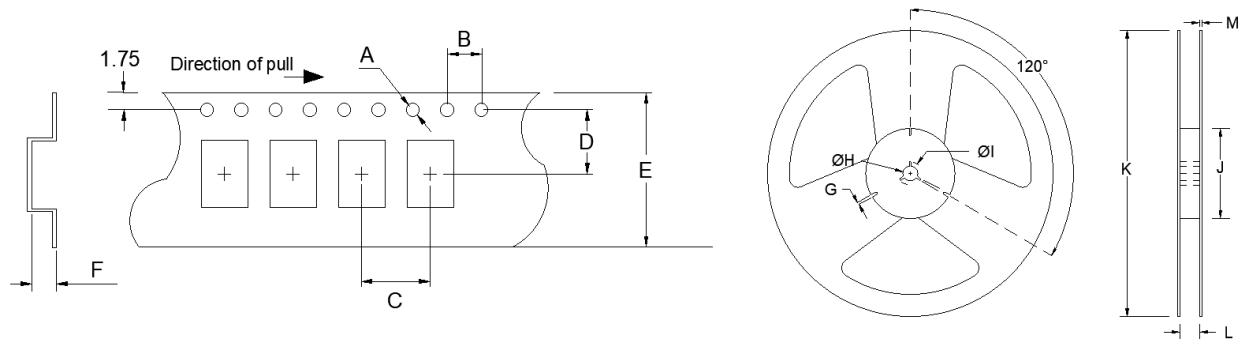
(Former FC Series)

11.8mm x 5.5mm

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	12.0	11.5	24.0	2.6	-T1 = 1,000	2.0	ø13	ø21	ø80	ø250	25.5	2.0



Available Options & Part Identification for SMD Crystal C8AC¹

Sample PN: FC8ACCCMD3.6864-T1

F	C8AC	C	C	M	D	3.6864	-T1
Fox	Model Number 11.8 x 5.5mm	Tolerance B = 50 PPM C = 30 PPM D = 25 PPM E = 20 PPM	Stability B = 50 PPM C = 30 PPM D = 25 PPM E = 20 PPM F = 15 PPM	Load Capacitance² A = Series G = 12pF J = 15pF L = 18pF M = 20pF N = 22pF P = 27pF	Operating Temperature D= -10 to +60°C F = -20 to +70°C M = -40 to +85°C	Frequency (MHz)	Values Added Options Blank = Bulk T1 = 1,000 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