FC8AQ

(Former FQ1045A)

10mm x 4.5mm

SMD Crystal

Features

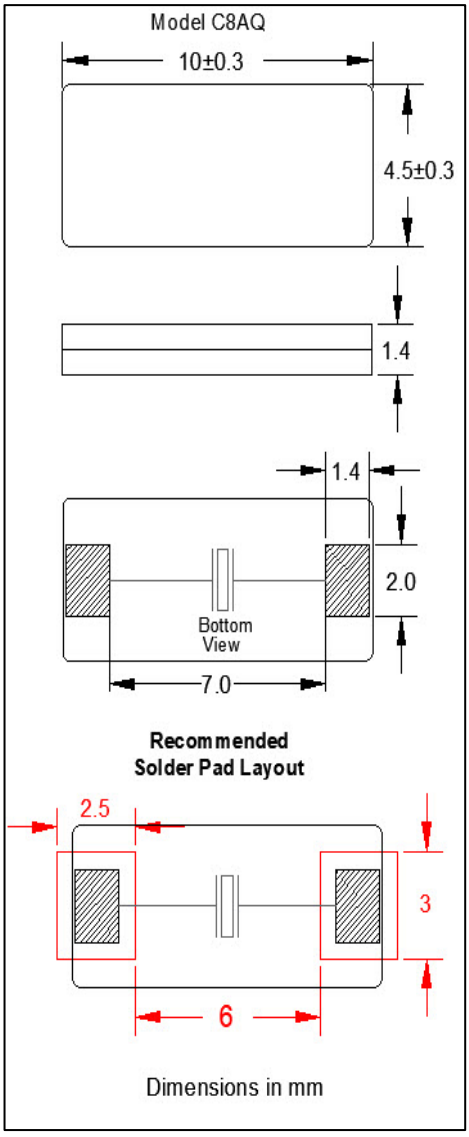
- Tolerances down to 20 PPM
- Stabilities down to 20 PPM
- Temperature Ranges as wide to -40˚C to +85˚C

STANDARD SPECIFICATIONS	
PARAMETERS	**MAX (Unless otherwise noted)**
Frequency Range	3.200 ~ 7.000 MHz
Frequency Tolerance @ 25°C	(See options below)
Frequency Stability, ref 25°C	(See options below)
Temperature Range Operating (T_{OPR}) Storage (T_{STG})	 (See options below) -40°C ~ +85°C
Shunt Capacitance (C_O)	5 pF
Load Capacitance (C_L)	(See options below)
Drive Level	0.5 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 ~ 7.000	Fundamental	150

AVAILABLE OPERATING TEMPERATURES AND STABILITIES*				
Operating Temperature	**±20 PPM**	**±25 PPM**	**±30 PPM**	**±50 PPM**
0°C ~+70°C	O	O	O	O
-20°C ~+70°C	O	O	O	O
-30°C ~+85°C	X	X	X	O
-40°C ~+85°C	X	X	X	O
Key: O = Available, X = Not Available, Δ=Consult Fox Technical Support *Does not imply a stocked part.				

DIMENSIONS / MECHANICAL SPECIFICATIONS



Note: Dimensional drawing is for reference to critical specifications defined by size measurements.

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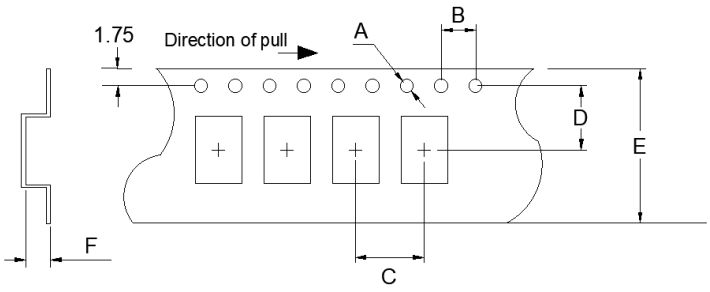
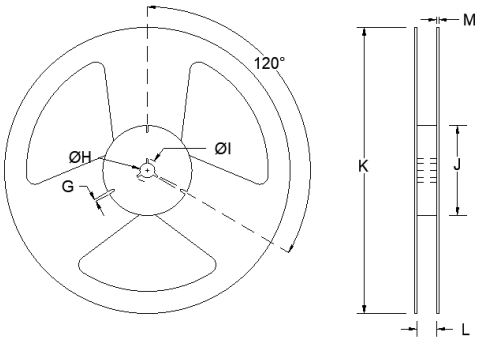
TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.5	4.0	8.0	11.5	24.0	2.0	-T1 = 1,000	2.0	Ø13	Ø21	Ø100	Ø330	24.4	2.0





Available Options & Part Identification for SMD Crystal C8AQ[1]

Sample PN: FC8AQCCMC3.6864-T1

F	C8AQ	C	C	M	C	3.6864	-T1
Fox	**Model Number**	**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	**Load Capacitance[2]** E = 10pF K = 16pF L = 18pF **M = 20pF**	**Operating Temperature** **C = 0 to +70°C** F = -20 to +70°C K = -30 to +85°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