

Features

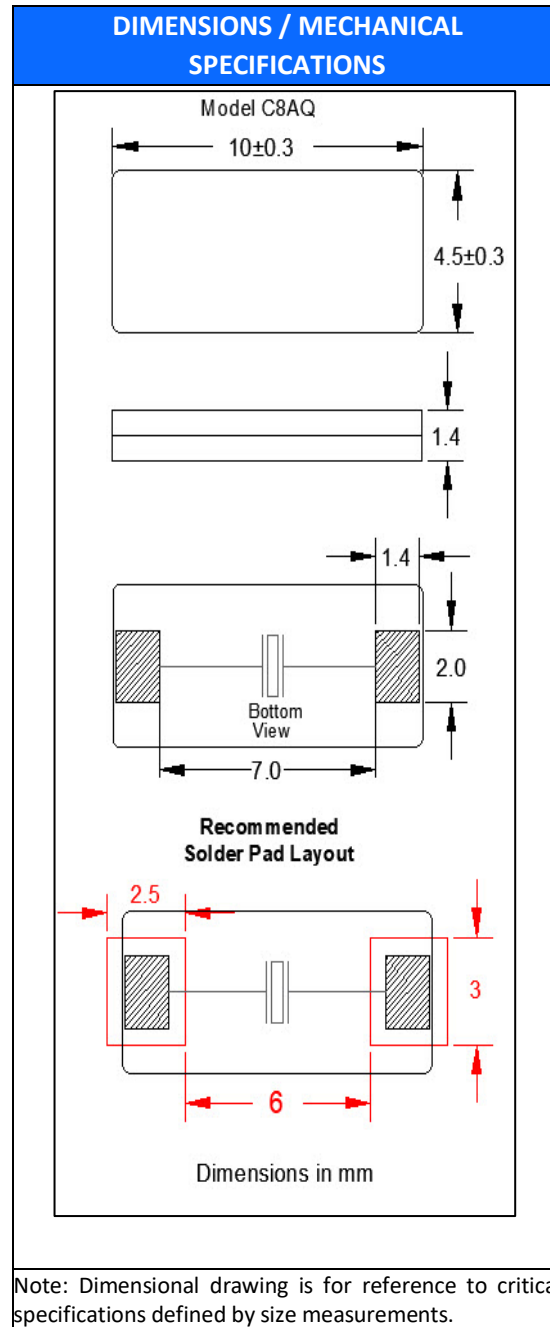
- Tolerances down to 20 PPM
- Stabilities down to 20 PPM
- Temperature Ranges as wide to -40°C to +85°C

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})	(See options below)
Storage (T _{STG})	-40°C ~ +85°C
Shunt Capacitance (C ₀)	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.



FC8AQ

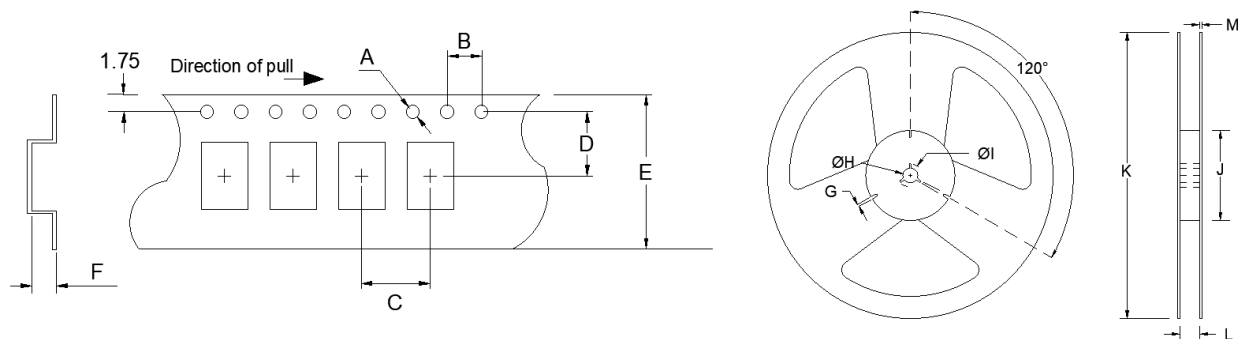
(Former FQ1045A)

10mm x 4.5mm

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	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 C8AQ¹

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 Capacitance² 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[FC8AQCCGM4.0-T1](#) [FC8AQBBMM4.0-T1](#) [FC8AQBBMM5.0-T1](#) [FC8AQCCCEC3.6864-T1](#) [FC8AQCCMC3.6864-T1](#)
[FC8AQCCMM3.6864-T1](#) [FC8AQCCMM4.0-T1](#) [FC8AQCCMC4.9152-T1](#) [FC8AQCCMM6.0-T1](#) [FC8AQCCMC6.0-T1](#)
[FC8AQCCMC4.0-T1](#) [FC8AQBBMM3.6864-T1](#) [FC8AQBBMM4.9152-T1](#) [FC8AQCCMC4.0-T1](#) [FC8AQCCMC6.0-T1](#)
[FC8AQCCMM4.096-T1](#)