10mm x 4.5mm SMD Crystal



Features

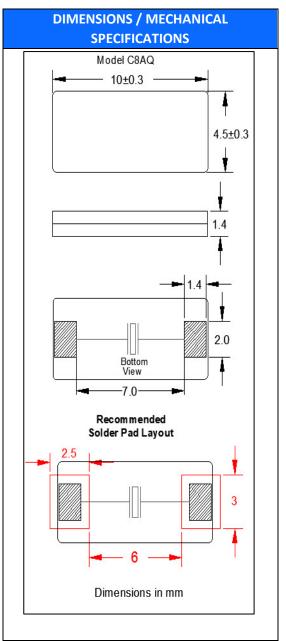
- Tolerances down to 20 PPM
- Stabilities down to 20 PPM
- Temperature Ranges as wide to -40°C to +85°C

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})	(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	$\mathbf{Max}\ \mathbf{ESR}\ \Omega$
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	0	0	0	0				
-20°C ~+70°C	0	0	0	0				
-30°C ~+85°C	Х	Х	Х	0				
-40°C ~+85°C	Х	Х	Х	0				

Key: O = Available, X = Not Available, Δ =Consult Fox Technical Support *Does not imply a stocked part.



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

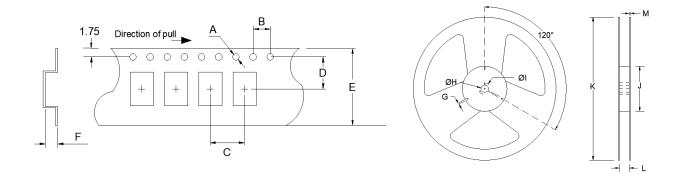


10mm x 4.5mm SMD Crystal



(Former FQ1045A)

TAPE SPECIFICATIONS (mm)						RE	EL SPE	CIFICAT	IONS (m	m)			
Α	В	С	D	E	F	REEL QTY	G	Н	ı	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: <u>FC8AQCCMC3.6864-T1</u>									
F	C8AQ	С	С	M	С	3.6864	-T1		
<u>Fox</u>	<u>Model</u> <u>Number</u>	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	<u>Frequency</u> (MHz)	Values Added Options Blank = Bulk T1 = 1,000 pcs		

¹ Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.

Reliability Test Conditions
Please contact Abracon Quality Assurance department

² Listed load capacitances represent the most commonly used. Other load capacitances are available. Contact us for assistance