

Specification	AXQCM604ABC	Rev.: 1	Date: 2020-10-04
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Quartz Crystal Microbalance Element (Monitor Crystal)



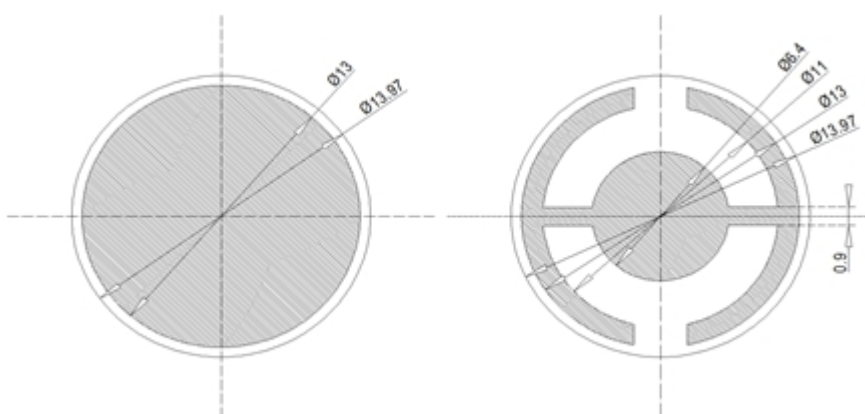
Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		6.000		MHz	
Adjustment frequency		5.983		MHz	AXQCM604A
		5.989		MHz	AXQCM604B
		5.993		MHz	AXQCM604C
Crystal cut		AT			35°15'±1'
Overtone		1			
Frequency tolerance	-7		+7	kHz	AXQCM604A
	-2		+2	kHz	AXQCM604B
	-2		+2	kHz	AXQCM604C
Frequency stability					
Over operating temperature range	-50		+50	ppm	
Resonance resistance R _r			15	Ω	
Motional capacitance C ₁				fF	
Shunt capacitance C ₀			20	pF	
Drive level		100		μW	
Operating temperature range	+60	+70	+80	°C	
Storage temperature range	-40		+105	°C	
QCM diameter		13.97 +0/-0.03		mm	Plano-convex
Convex radius R		210		mm	
Blank surface quality		Fine lapped			R _a = 0.8 ~ 1.6 μm
Electrode diameter Side A		13.0 ± 0.1		mm	Fully plated
Electrode material Side A		Ag-Al			
Electrode diameter Side B		6.4 ± 0.1		mm	See drawing
Electrode material Side B		Ag-Al			

Side A (Plane)

Side

B

(Convex)



Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXQCM604A	1	5.983
AXQCM604B	1	5.989
AXQCM604C	1	5.993

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	04.10.2020	First issue AXQCM604ABC	BN	BN