

Specification	AXQCM602AB	Rev.: 1	Date: 2020-10-04
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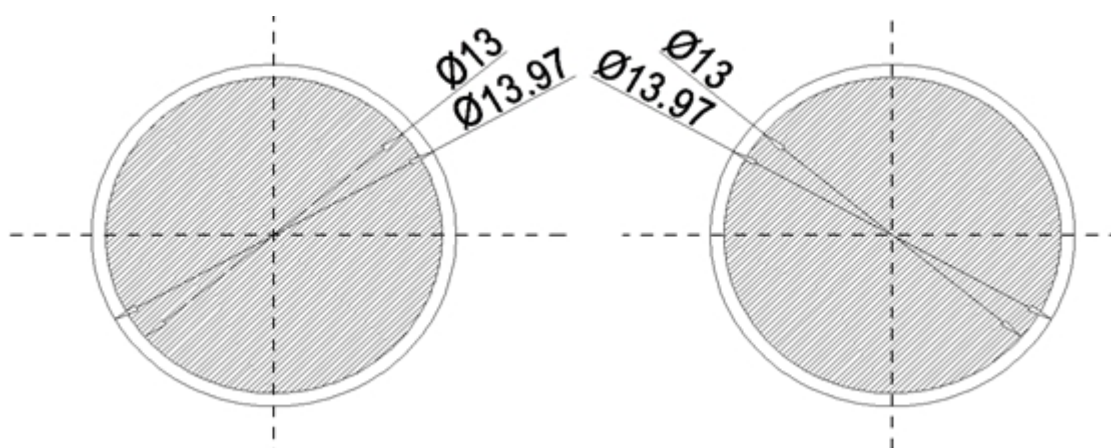
## Quartz Crystal Microbalance Element (Monitor Crystal)



Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	6.000			MHz	
Adjustment frequency	5.985			MHz	AXQCM602A
	5.993			MHz	AXQCM602B
Crystal cut	AT				35°15'±1'
Overtone	1				
Frequency tolerance	-7		+7	kHz	AXQCM602A
	-2		+2	kHz	AXQCM602B
Frequency stability					
Over operating temperature range	-50		+50	ppm	
Resonance resistance R <sub>r</sub>			15	Ω	AXQCM602A
			11	Ω	AXQCM602B
Motional capacitance C <sub>1</sub>				fF	
Shunt capacitance C <sub>0</sub>			20	pF	
Drive level		100		μW	
Operating temperature range	+60	+70	+80	°C	
Storage temperature range	-40		+105	°C	
QCM diameter	13.97 +0/-0.02			mm	Plano-convex
Convex radius R	210			mm	
Blank surface quality	Fine lapped				R <sub>a</sub> = 0.8 ~ 1.6 μm
Electrode diameter Side A	13.0 ± 0.1			mm	Fully plated
Electrode material Side A	Cr-Au				
Electrode diameter Side B	13.0 ± 0.1			mm	Fully plated
Electrode material Side B	Cr-Au				

Side A (Plane)

Side B (Convex)



### Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXQCM602A	1	5.985
AXQCM602B	1	5.993

**Revision History**

<b>Rev.</b>	<b>Drawing</b>	<b>Date</b> [dd.mm.yyyy]	<b>Remarks</b>	<b>Author</b>	<b>Checked</b>
1	D0	04.10.2020	First issue AXQCM602A,B	BN	BN