

Specification	AXQCM607A & AXQCM607B	Rev.: 1	Date: 2020-10-04
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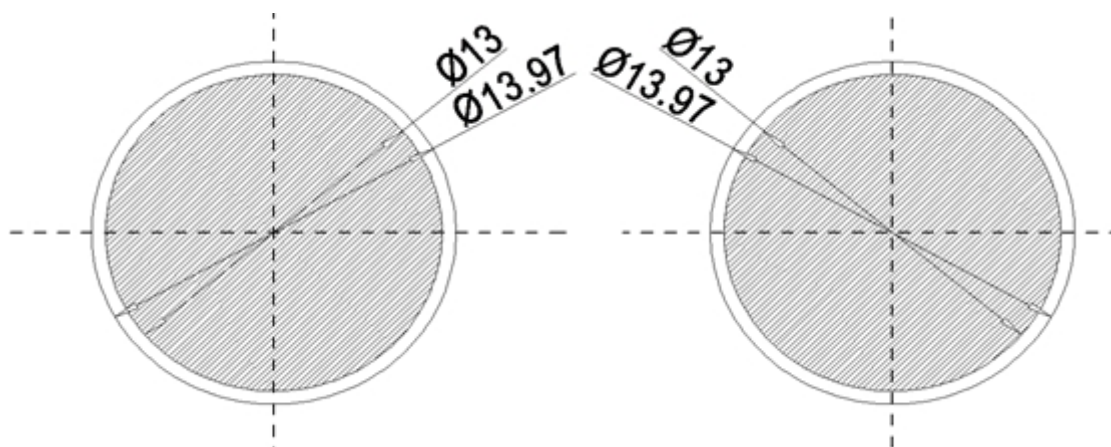
Quartz Crystal Microbalance Element (Monitor Crystal)



Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		6.000		MHz	
Adjustment frequency		5.985		MHz	AXQCM607A
		5.993		MHz	AXQCM607B
Crystal cut		AT			35°15'±1'
Overtone		1			
Frequency tolerance	-7		+7	kHz	AXQCM607A
	-2		+2	kHz	AXQCM607B
Frequency stability					
Over operating temperature range	-50		+50	ppm	
Resonance resistance R _r			15	Ω	AXQCM607A
			11	Ω	AXQCM607B
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		13.0 ± 0.1		mm	Fully plated
Electrode material Side B		Ag-Al			

Side A (Plane)

Side B (Convex)



Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXQCM607A	1	5.985
AXQCM607B	1	5.993

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	04.10.2020	First issue AXQCM607AB	BN	BN