

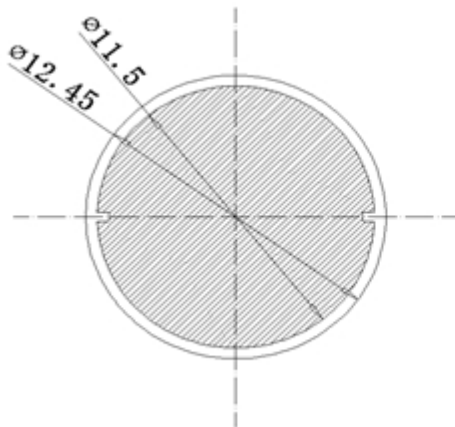
Specification	AXQCM505A	Rev.: 1	Date: 2020-10-04
----------------------	------------------	---------	------------------

Quartz Crystal Microbalance Element (Monitor Crystal)

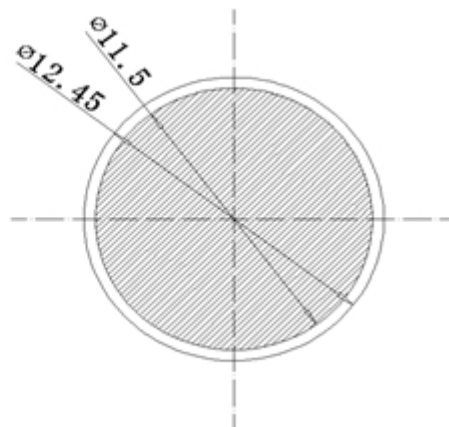


Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	5.000			MHz	
Adjustment frequency	5.000			MHz	
Crystal cut	AT				35°15'±1'
Overtone	1				
Frequency tolerance	-5		+5	kHz	
Frequency stability					
Over operating temperature range	-50		+50	ppm	
Resonance resistance R _r			30	Ω	
Motional capacitance 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	12.45 0/-0.03			mm	Plano-convex
Convex radius	106			mm	
Blank surface quality	Fine lapped				R _a = 0.8 ~ 1.6 μm
Electrode diameter Side A	11.5 ± 0.1			mm	Fully plated
Electrode material Side A	Cr-Au				
Electrode diameter Side B	11.5 ± 0.1			mm	Fully plated
Electrode material Side B	Cr-Au				

Side A (Plane)



Side B (Convex)



Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXQCM505A	1	5.000

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	04.10.2020	First issue AXQCM505A	BN	BN