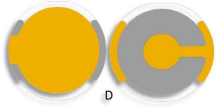


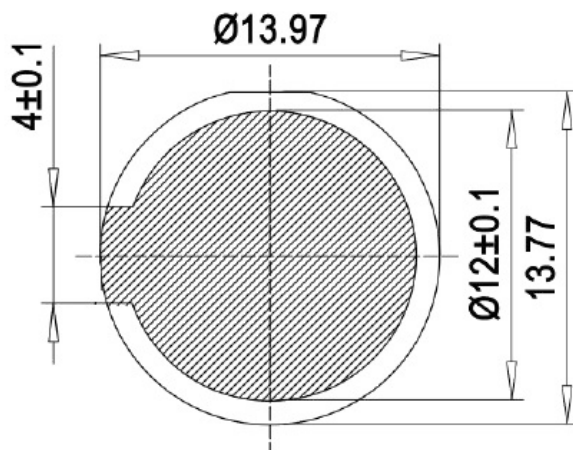
Specification	AXQCS501D	Rev.: 1	Date: 2022-04-21
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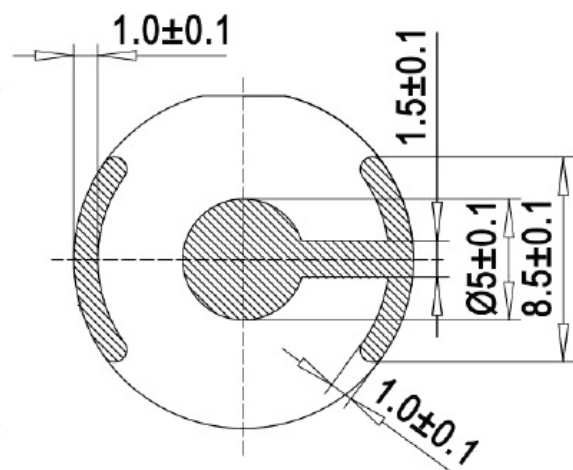
Quartz Crystal Sensor Element

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	5.000			MHz	
Adjustment frequency	5.000			MHz	
Crystal cut	AT				35°15'±2'
Overtone	1				
Frequency tolerance	-7		+7	kHz	
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	13.97x13.77 +0/-0.03			mm	Plano-plano
Blank surface quality	Polished				R _a = 0.012 ~ 0.05 μm
Electrode diameter Side A	12.0			mm	Key hole, wrapped around
Electrode material Side A	Cr-Au				
Electrode diameter Side B	5.0			mm	single anchor
Electrode material Side B	Cr-Au				

Side A (Plane)



Side B (Plane)



Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXQCS501D	1	5.000

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	21.04.2022	First issue AXQCS501D	BN	BN