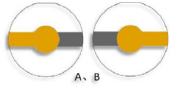


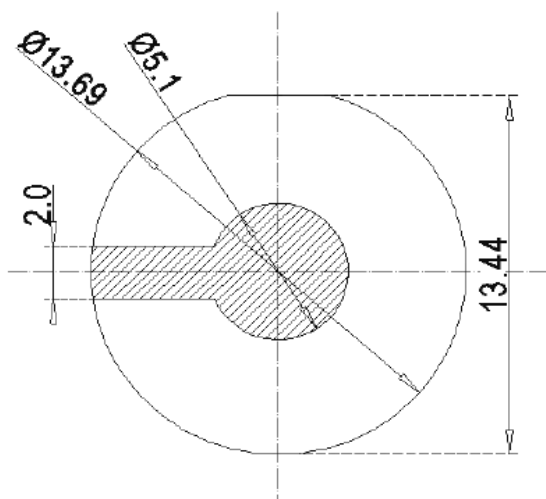
Specification	AXQCS801A	Rev.: 1	Date: 2021-06-19
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Quartz Crystal Sensor Element

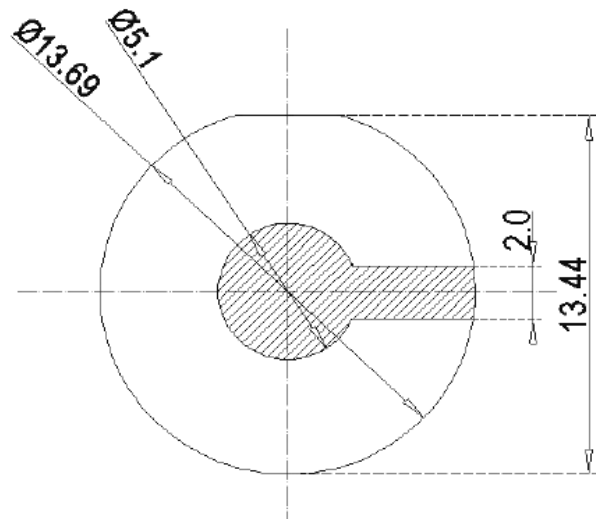


Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	8.000			MHz	
Adjustment frequency	8.000			MHz	
Crystal cut	AT				35°15'±2'
Overtone	1				
Frequency tolerance	-12		+12	kHz	
Frequency stability					
Over operating temperature range	-50		+50	ppm	
Resonance resistance R _r				30	Ω
Motional capacitance C ₁					fF
Shunt capacitance C ₀				15	pF
Drive level				100	μW
Operating temperature range	+60	+70	+80	°C	
Storage temperature range	-40		+105	°C	
QCM diameter	Φ13.69 +0/-0.03			mm	Plano-plano with flat
Blank surface quality	polished				R _a = 0.012 ~ 0.05 μm
Electrode diameter Side A	5.1			mm	Key hole
Electrode material Side A	Cr-Au				
Electrode diameter Side B	5.1			mm	Key hole
Electrode material Side B	Cr-Au				

Side A (Plane)



Side B (Plane)



Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXQCS801A	1	8.000

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	19.06.2021	First issue AXQCS801A	BN	BN