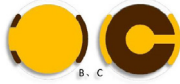


Specification	AXQCS1010C	Rev.: 1	Date: 2021-12-09
---------------	------------	---------	------------------

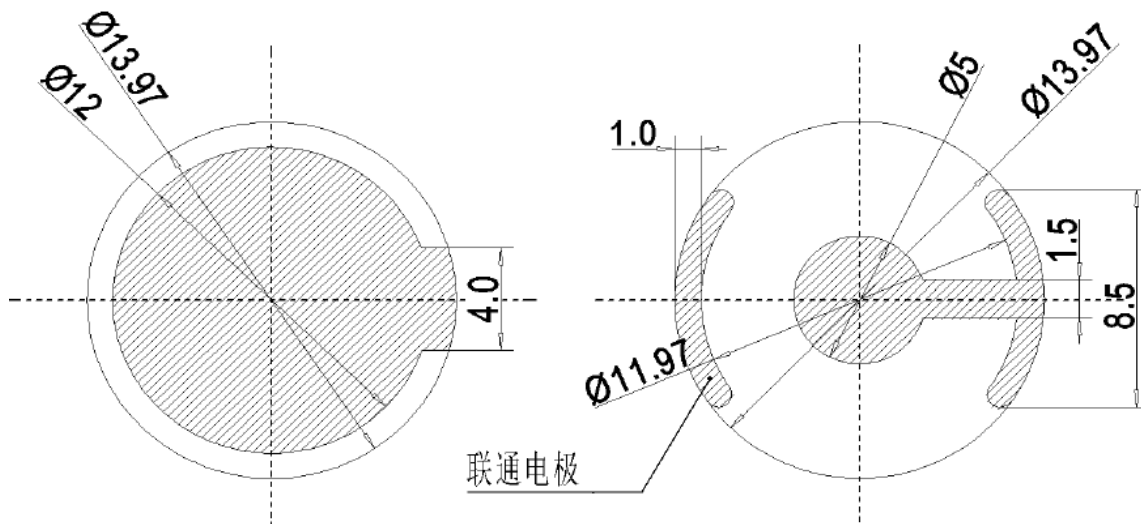
## Quartz Crystal Sensor Element



Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	10.000			MHz	
Adjustment frequency	10.000			MHz	
Crystal cut	AT				35°15'±2'
Overtone	1				
Frequency tolerance	-20		+20	kHz	
Frequency stability					
Over operating temperature range	-50		+50	ppm	
Resonance resistance R <sub>r</sub>			15	Ω	
Motional capacitance C <sub>1</sub>				fF	
Shunt capacitance C <sub>0</sub>			7	pF	
Drive level		100		μW	
Operating temperature range	0		+70	°C	
Storage temperature range	-40		+105	°C	
QCM diameter	13.97 +0/-0.03			mm	Plano-plano
Blank surface quality	Polished				R <sub>a</sub> = 0.012 ~ 0.05 μm
Electrode diameter Side A	12.0			mm	wrapped around
Electrode material Side A	Ti-Au				
Electrode diameter Side B	5.0			mm	Key hole
Electrode material Side B	Ti-Au				

Side A (Plane)

Side B (Plane)



### Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXQCS1010C	1	10.000

**Revision History**

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	09.12.2021	First issue AXQCS1010C	BN	BN