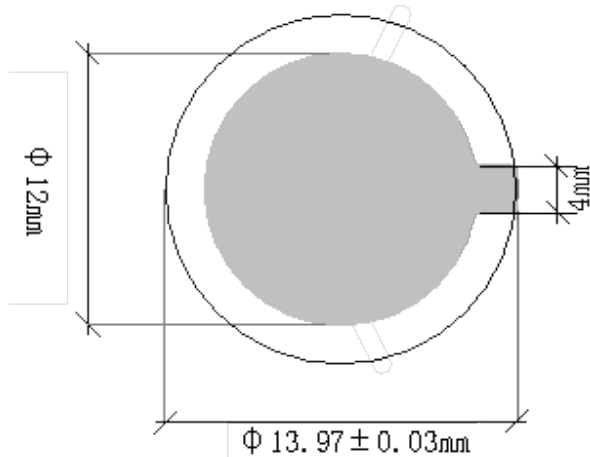


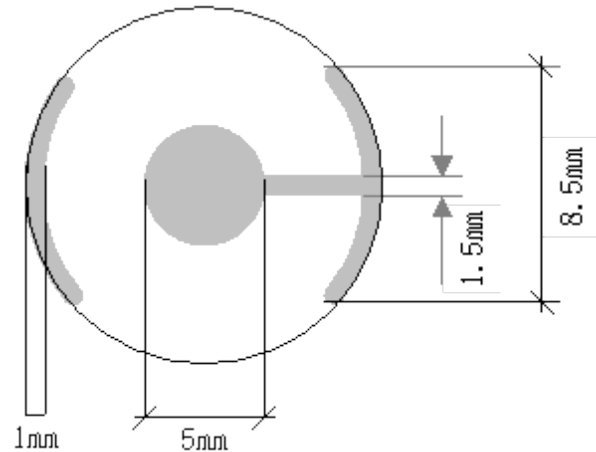
<b>Specification</b>	<b>AXQCM10-07-TiAu</b>	Rev.:1	Date: 2019-04-19
<b>Type :</b>	<b>Quartz Crystal Microbalance Element (Monitor Crystal)</b>		

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		10.000		MHz	
Adjustment frequency		10.000		MHz	
Crystal cut		AT			
Overtone		1			
Adjustment tolerance	-20		+20	kHz	@ 25°C
Frequency stability					
Over operating temperature range	0		+70	ppm	
Resonance resistance $R_r$			15	$\Omega$	
Motional capacitance $C_1$				fF	
Shunt capacitance $C_0$			7	pF	
Drive level		100		$\mu$ W	
Operating temperature range	0		+70	°C	
Storage temperature range	-40		+105	°C	
QCM diameter		13.97±0.03		mm	
Shape		Plano-plano			
Blank surface quality		Fine lapped 2 $\mu$ m			
Electrode diameter Side A		12		mm	See drawing
Electrode material Side A		Ti-Au			
Electrode diameter Side B		5.0 ± 0.1		mm	See drawing
Electrode material Side B		Ti-Au			

Side A



Side B



### Ordering Code

Ordering Code:

Model (Specification)	Frequency [MHz]
AXQCM10-07-TiAu	10.000

**Revision History**

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	19.04.2019	First issue	BN	BN