

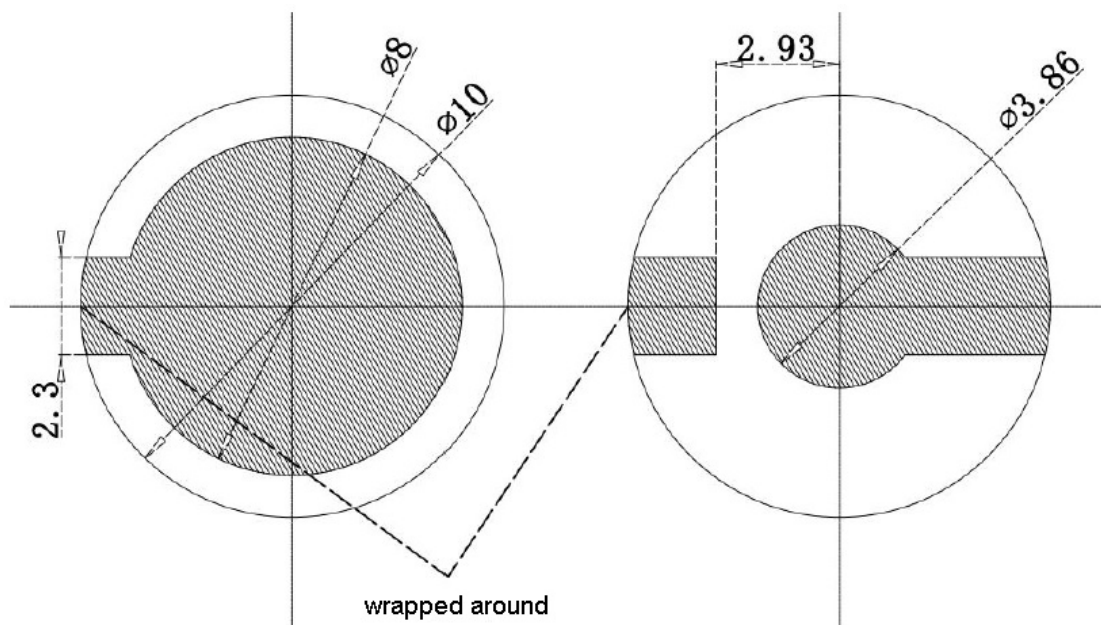
Specification	AXLCM1001A	Rev.:1	Date: 2020-10-24
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Type : **Langasite Crystal Microbalance Element (Monitor Crystal)**
for High Temperature applications

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	10.000			MHz	
Crystal cut	Y ± 0.1°				
Overtone	1				
Adjustment tolerance			±20	kHz	@ 25°C
Frequency stability					
over temperature		-0.06		ppm/K ²	T ₀ ca. 20°C
Resonance resistance R _r			20	Ω	
Motional capacitance C ₁		200		fF	
Shunt capacitance C ₀			30	pF	
Drive level		100		μW	
Operable temperature range	0		+500	°C	
Storage temperature range	-40		+550	°C	
QCM diameter	10.0 +0/-0.02			mm	
Contour	Plano-Plano				
Blank surface quality	Lapped				Ra = 0.05 ~ 0.2 μm
Electrode diameter Side A	8.0			mm	Key hole, wrapped around
Electrode material Side A	Cr-Au				
Electrode diameter Side B	3.86			mm	Key hole
Electrode material Side B	Cr-Au				

Side A (plano)

Side B (plano)



Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXLCM1001A	1	6.000

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	204.10.2020	First issue AXQCM1001A	BN	BN