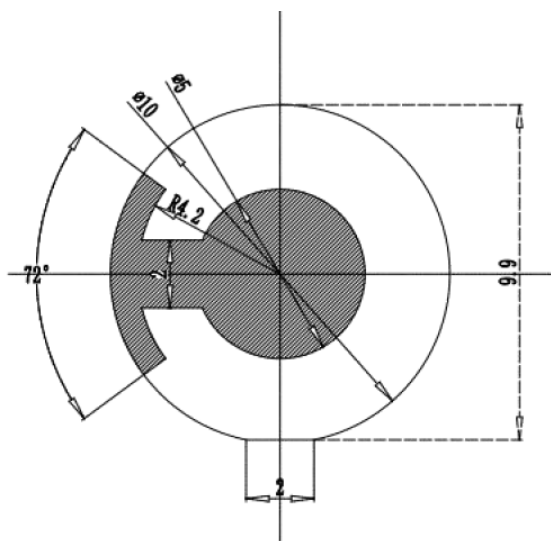


Specification	AXLCM501A	Rev.:1	Date: 2020-10-24
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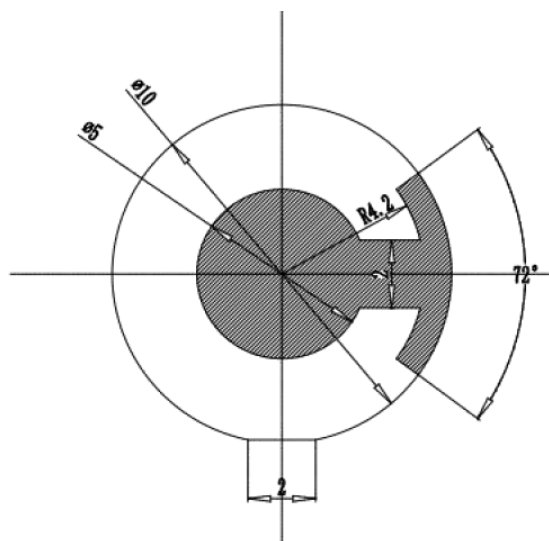
Type : **Langasite Crystal Microbalance Element (Monitor Crystal)**
for High Temperature applications

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	5.000			MHz	
Crystal cut	Y ± 0.1°				
Overtone	1				
Adjustment tolerance			±5	kHz	@ 25°C
Frequency stability					
over temperature		-0.06		ppm/K ²	T ₀ ca. 20°C
Resonance resistance R _r		5	30	Ω	
Motional capacitance C ₁		200		fF	
Shunt capacitance C ₀		15	30	pF	
Drive level		100		μW	
Operable temperature range	0		+500	°C	
Storage temperature range	-40		+600	°C	
QCM diameter	10.0x9.9 +0/-0.01			mm	
Contour	Plano-plano				
Blank surface quality	Polished				Ra = 0.012 ~ 0.05 μm
Electrode diameter Side A	6.0 ± 0.02			mm	Key hole
Electrode material Side A	Cr-Au				
Electrode diameter Side B	6.0 ± 0.02			mm	Key hole
Electrode material Side B	Cr-Au				

Side A (plano)



Side B (plano)



Ordering Code:

Model (Specification)	Revision	Frequency [MHz]
AXLCM501A	1	5.000

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	204.10.2020	First issue AXQCM501A	BN	BN