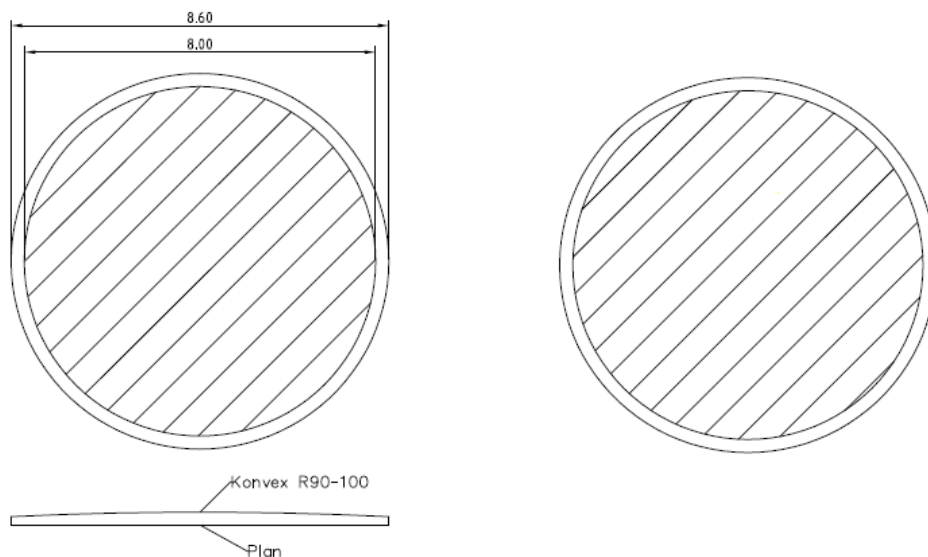


<b>Specification</b>	<b>AXQCM86-Au</b>	Rev.:1	Date: 2014-06-02
<b>Type :</b>	<b>Quartz Crystal Microbalance Element (Monitor Crystal)</b>		

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	6.000			MHz	
Adjustment frequency	5.983			MHz	
Crystal cut	AT				
Overtone	1				
Contour	plano-convex				Radius 90 mm ~ 100 mm
Adjustment tolerance	-7		+7	kHz	@ 25°C
Frequency stability					
Over operating temperature range	-50		+50	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	8.6			mm	
Blank surface quality	Fine lapped				< 7 $\mu$ m RMS
Electrode diameter Side A	8.0			mm	Fully plated
Electrode material Side A	Cr - Au				
Electrode diameter Side B	8.0			mm	Fully plated
Electrode material Side B	Cr - Au				

**Side A (Plane)**

**Side B (Convex)**



**Ordering Code:**

Model (Specification)	Frequency [MHz]
AXQCM86-Au	5.983

**Revision History**

<b>Rev.</b>	<b>Drawing</b>	<b>Date</b> [dd.mm.yyyy]	<b>Remarks</b>	<b>Author</b>	<b>Checked</b>
1	D0	27.11.2013	First issue	EP	BN
1	D1	02.06.2014	Editorial changes	BN	BN