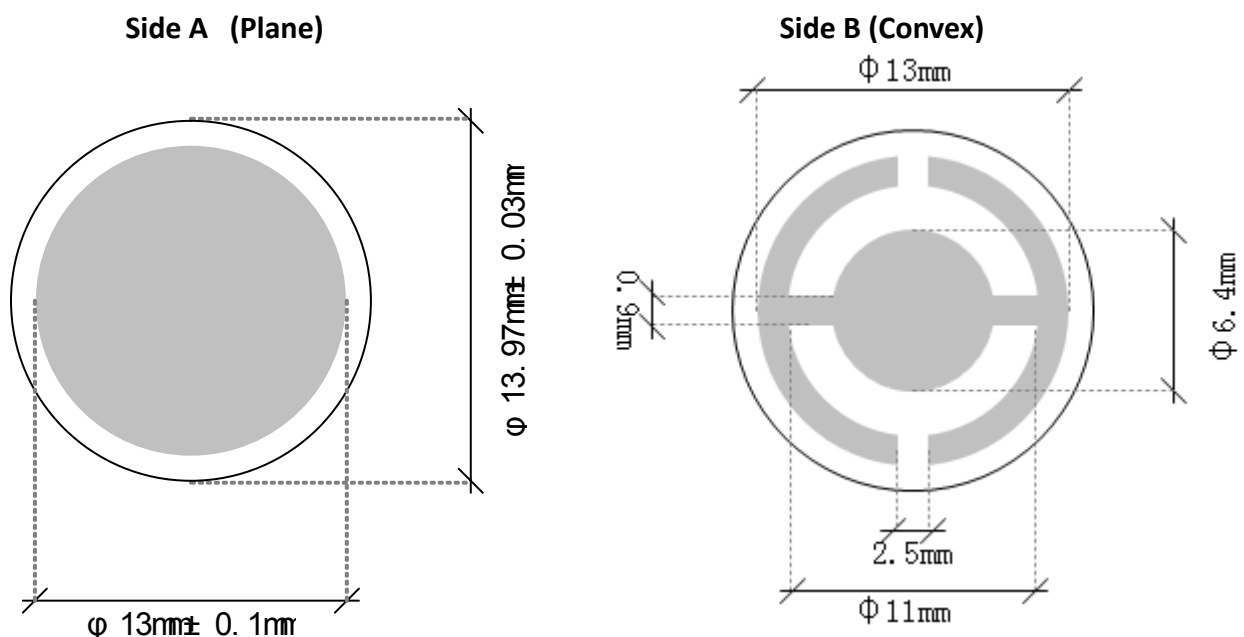


Specification	AXQCM598-Alloy	Rev.: 3	Date: 2014-06-02
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Type : **Quartz Crystal Microbalance Element (Monitor Crystal)**  
**Electrodes Maxtek Style**

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		6.000		MHz	
Adjustment frequency		5.983		MHz	
Crystal cut		AT			
Overtone		1			
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		13.97 $\pm$ 0.03		mm	
Blank surface quality		Fine lapped			
Electrode diameter Side A		13.0 $\pm$ 0.1		mm	Fully plated
Electrode material Side A		Alloy			
Electrode diameter Side B		6.4		mm	See drawing
Electrode material Side B		Cr-Ag			



### Ordering Code:

Model (Specification)	Frequency [MHz]
AXQCM598-Alloy	5.983

**Revision History**

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
2.1	D0	31.03.2014		EP	BN
3	D1	02.06.2014	Editorial changes	BN	BN