

Specification	AXQCM500-Au	Issue: 01	Date: 2009-10-09
Oscillator type : Quartz Crystal Microbalance Element			

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency	5			MHz	
Reference frequency	4.960			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	Ω	
Motional capacitance C_1				fF	
Shunt capacitance C_0			7	pF	
Drive level		100		μ W	
Operating temperature range	0		+70	°C	
Storage temperature range	-40		+105	°C	
QCM diameter	14 \pm 0.1			mm	
Blank surface quality	Fine lapped				
Electrode diameter Side A	13.97 \pm 0.03			mm	Fully plated
Electrode material Side A	Au - Cr				
Electrode diameter Side B	6.0 \pm 0.05			mm	See drawing
Electrode material Side B	Au - Cr				

