

Specification	AXQCM598-A1	Issue: 01	Date: 2008-04-10
Oscillator type : Quartz Crystal Microbalance Element			

Parameter	min.	typ.	max.	Unit	Condition
Nominal 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			60	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	13.97 ± 0.03			mm	
Blank surface quality	Fine lapped				
Electrode diameter Side A	13.0 ± 0.1			mm	Fully plated
Electrode material Side A	Al - Cr				
Electrode diameter Side B	6.5 ± 0.2			mm	See drawing
Electrode material Side B	Ag - Cr				

