AXTAL ADVANCED XTAL PRODUCTS

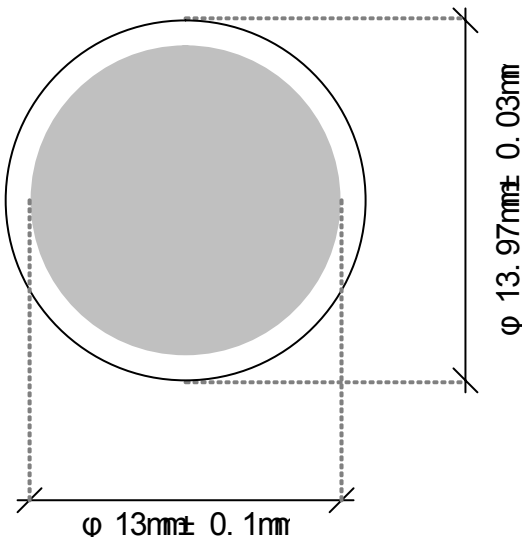
Specification	AXQCM500-Alloy	Rev.: 2	Date: 2014-06-02

Type : **Quartz Crystal Microbalance Element (Monitor Crystal)**

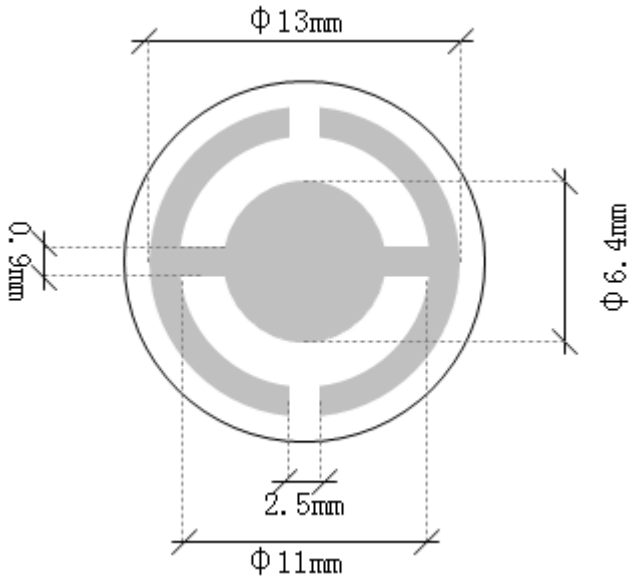
Electrodes Maxtek Style

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		5.000		MHz	
Adjustment 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		µW	
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		13.00 ± 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			

Side A (Plane)



Side B (Convex)



Ordering Code:

Model (Specification)	Frequency [MHz]
AXQCM500-Alloy	4.960

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Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	31.03.2014	First issue	EP	BN
2	D1	02.06.2014	Editorial changes	BN	BN