AXTAL ADVANCED XTAL PRODUCTS

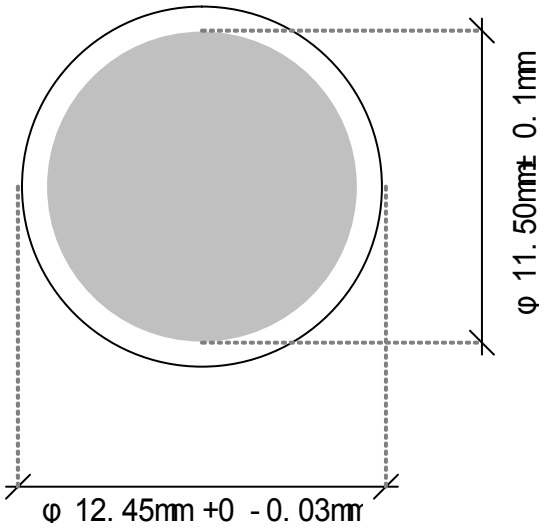
Specification	AXQCM520-Ag	Rev.: 2	Date: 2014-06-02

Oscillator type : Quartz Crystal Microbalance Element

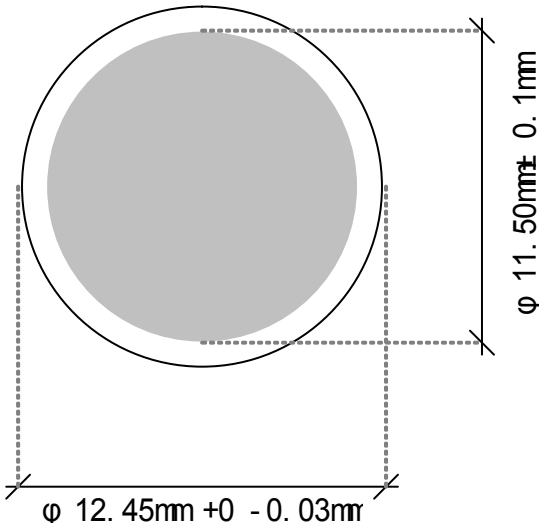
Size compatible to Ulvac(Initium), Showa, Sloan

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		5.000		MHz	
Adjustment frequency		4.995		MHz	
Crystal cut		AT			
Overtone		1			
Adjustment tolerance	-5		+5	kHz	@ 25°C
Frequency stability					
Over operating temperature range	-50		+50	ppm	
Resonance resistance R_r			30	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		12.45 +0/-0.03		mm	
Blank surface quality		Fine lapped			
Electrode diameter Side A		11.5 ± 0.1		mm	See drawing
Electrode material Side A		Cr-Ag			
Electrode diameter Side B		11.5 ± 0.1		mm	See drawing
Electrode material Side B		Cr-Ag			

A-Side (plano)



B-Side (convex)



Ordering Code:

Model (Specification)	Frequency [MHz]
AXQCM520-Ag	4.995

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Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	16.04.2014		EP	BN
2	D1	02.06.2014	Editorial changes	BN	BN