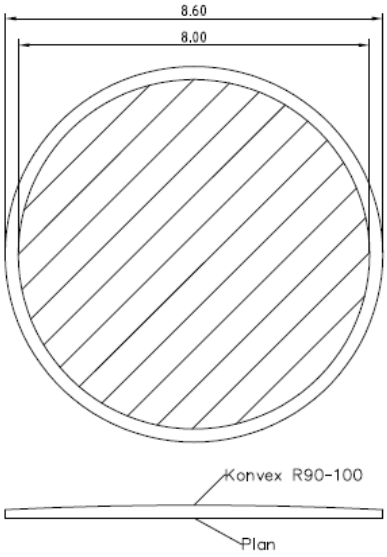
AXTAL ADVANCED XTAL PRODUCTS

Specification	AXQCM86-Au	Rev.:1	Date: 2014-06-02

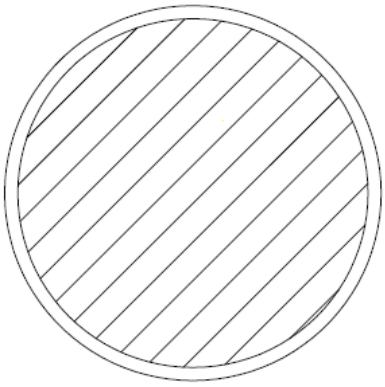
Type : Quartz Crystal Microbalance Element (Monitor Crystal)

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		6.000		MHz	
Adjustment frequency		5.983		MHz	
Crystal cut		AT			
Overtone		1			
Contour		plano-convex			Radius 90 mm ~ 100 mm
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		8.6		mm	
Blank surface quality		Fine lapped			< 7µm RMS
Electrode diameter Side A		8.0		mm	Fully plated
Electrode material Side A		Cr - Au			
Electrode diameter Side B		8.0		mm	Fully plated
Electrode material Side B		Cr - Au			

Side A (Plane)



Side B (Convex)



Ordering Code:

Model (Specification)	Frequency [MHz]
AXQCM86-Au	5.983

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	27.11.2013	First issue	EP	BN
1	D1	02.06.2014	Editorial changes	BN	BN