

## Product inspection report

<b>Product name : Gold-plated quartz monitor crystal</b>		<b>Specification: 6MHZ</b>	<b>Quantity: 10000 pics</b>	<b>Number of random inspections: full inspection</b>	<b>Production Date: 2019.Aug.</b>
S/N	Inspection items	Inspection requirements	Result		Remarks
			Qualified	Failed	
1	Physical characteristics	Sensor material: $\alpha$ Quartz	✓		
		Cut angle: 35 degrees 15 minutes (AT)	✓		
		Profile: 3 diopter flat convex	✓		
		Surface roughness: <10 microns	✓		
		Diameter: 13.95±0.05mm	✓		
		Electrode: gold	✓		
2	Electrical characteristics	Resonant frequency: 5.980-5.995 MHz	✓		
		Q value: 2.4 million or more	✓		
		Resonant impedance: < 15Ω	✓		
		Contact resistance: < 15Ω	✓		
3	Appearance	Black dot/dirty: $D \leq 0.15\text{mm}$ , $N \leq 2$ 且 $DS \geq 10\text{mm}$	✓		N-Number (PC) D- Diameter (mm) L-Length (mm) W- Width (mm) DS- Distance (mm)
		fine scratch: $L \leq 2\text{mm}$ , $W \leq 0.05\text{mm}$ , $N \leq 1$	✓		
		Bubble / pitting / water pattern: not allowed	✓		
		Hardening/dents: not allowed	✓		
		Coating shedding /skip plating : not allowed	✓		
4	Other items	Based on actual specific requirements			
<b>Inspection result:</b> <input checked="" type="checkbox"/> <b>Qualified</b> <input type="checkbox"/> <b>Concession</b> <input type="checkbox"/> <b>Failed</b> <b>Date:</b>					