

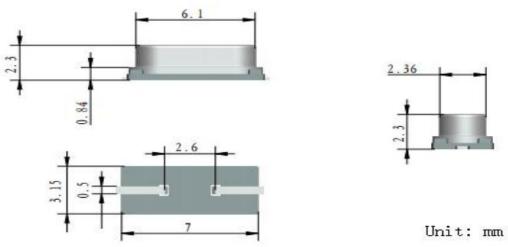
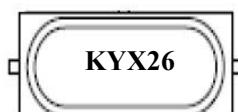


Victorlands Technical Specification

Product name	Quartz crystal unit
Model	M-49USSMD 26.000MHz
Product code	K2M26000H0H2A2
Product parameters	9PF/±10PPM
Product reliability	P. 3
Packing form	P. 4~8



1. Product parameters

1	Nominal Frequency	26.000 MHz
2	Mode of Oscillation	AT FUND
3	Frequency Tolerance	±10PPM
4	Temperature Tolerance	±20PPM
5	Operating Temperature Range	-20°C ~ +70°C
6	Storage Temperature	-40°C ~ +85°C
7	Equivalency Resistance	≤ 40Ω
8	Load Capacitance	9 PF
9	Drive Level	100μW
10	Shunt Capacitance	≤7.0 PF
11	Insulation Resistance	≥500MΩ at DC 100V±15V
12	Aging	≤±5ppm/year
13	Hold Type (mm)	 <p>Unit: mm</p>
14	Marking	 <p>Nominal Frequency</p>



2. Reliability testing

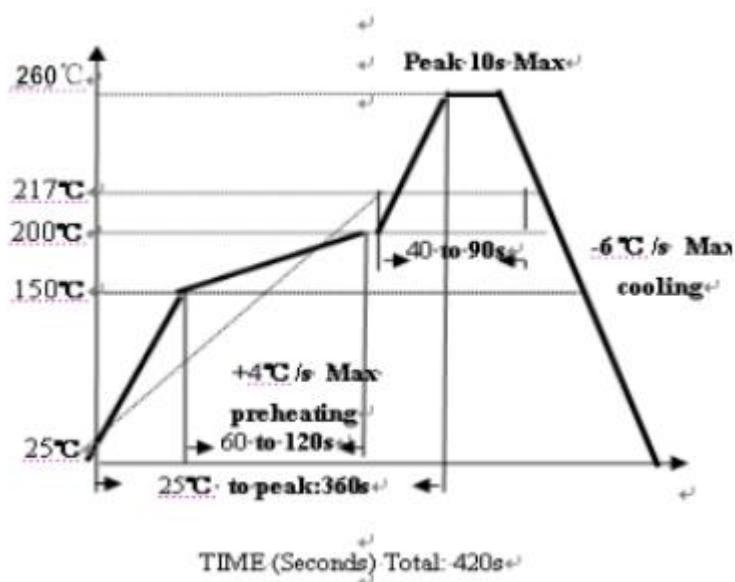
Projects	Inspection conditions and requirements	Demands
Vibration	Endurance condition by a frequency sweep shall be made. The entire frequency range from 10HZ to 50HZ and return to 10HZ, shall be transverseb in 1min. Amplitude(total excursion):1.5mm this motion shall be applied for a period of 2h each of 3 mutually perpendicular axes(a total of 6h)	(1).FL:+/-10ppm (2).Rr:+/-10Ω
Drop	Form 70cm height 3 times on 3cm hard wooden floor	
Shock	Peak acceleration:981m/s ² duration of the pulse :6ms three successive shocks shall be applied in both direction of 3 mutually perpendicular axes(a total of 18 shocks)	
Damp heat,constant	The unit shall be stored at a temperature of 40°C±2°C with relative humidity of 90%to95% for 48h, then it shall be subjected to standard atmospheric conditions for 1~2h after which measurement shall be made.	
Cold	The unit shall be stored at a temperature of -40°C±5°C for 48h, then it shall be subjected to standard atmospheric conditions for 1 ~ 2h after which measurement shall be made.	
Dry heat	The unit shall be stored at a temperature of 100°C±5°C for 24h, then it shall be subjected to standard atmospheric conditions for 1 ~ 2h after which measurement shall be made.	(1).FL:+/-10ppm (2).Rr:+/-10Ω
Aging	The unit shall be stored at a temperature of 85°C±5°C for 7d then it shall be subjected to standard atmospheric conditions for 1 ~ 2h after which measurement shall be made.	
Strength Test	No flaking, Pressure 10n 10 ± 1 s, according to IEC 60068-2-21 standard	
Stripping test	No flaking, Pressure 10n 10 ± 1 s, according to IEC 60068-2-21 standard	
Bending test	No flaking, Bending: 3 mm 5 ± 1 SEC. Thickness of test plate: 1mm.	



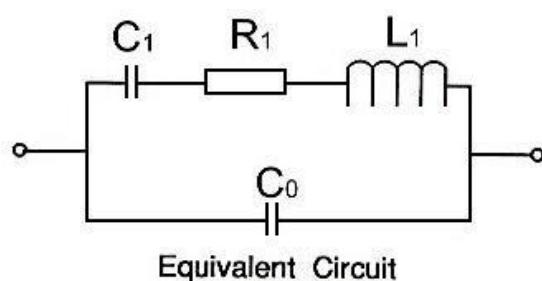
The unit shall be subjected to 5 successive change of temperature cycles, each as show in table below, then it shall be subjected to standard atmospheric conditions for 1~2h after which measurement shall be made

	Temperature	Duration
1	-40°C±3°C	30min
2	Standard atmospheric conditions	Within 30s
3	100°C±3°C	30min
4	Standard atmospheric conditions	Within 30s

Resistance to soldering heat



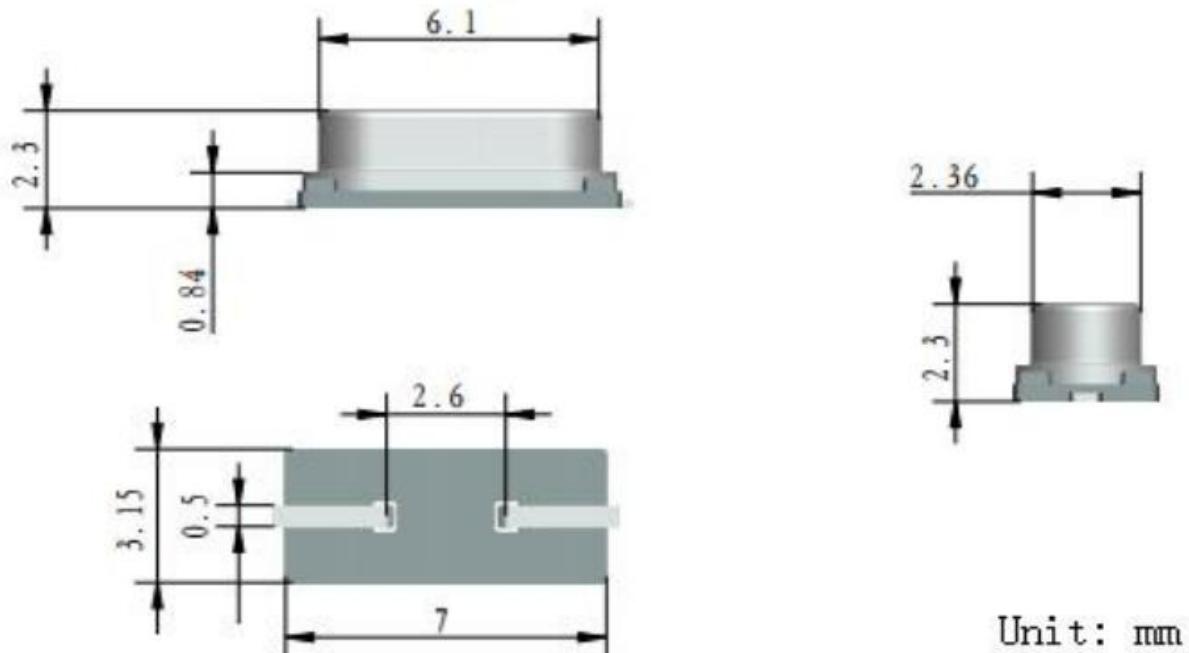
EQUIVALENT CIRCUIT:



Equivalent Circuit



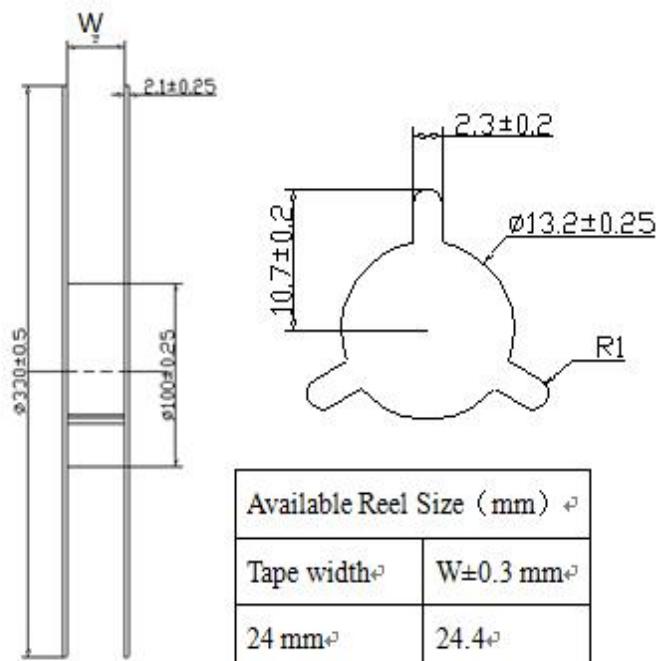
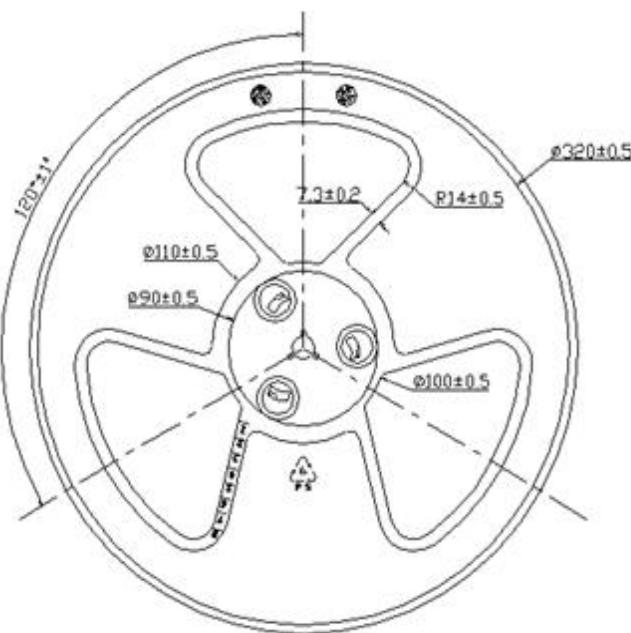
3. Dimensional drawing



Unit: mm



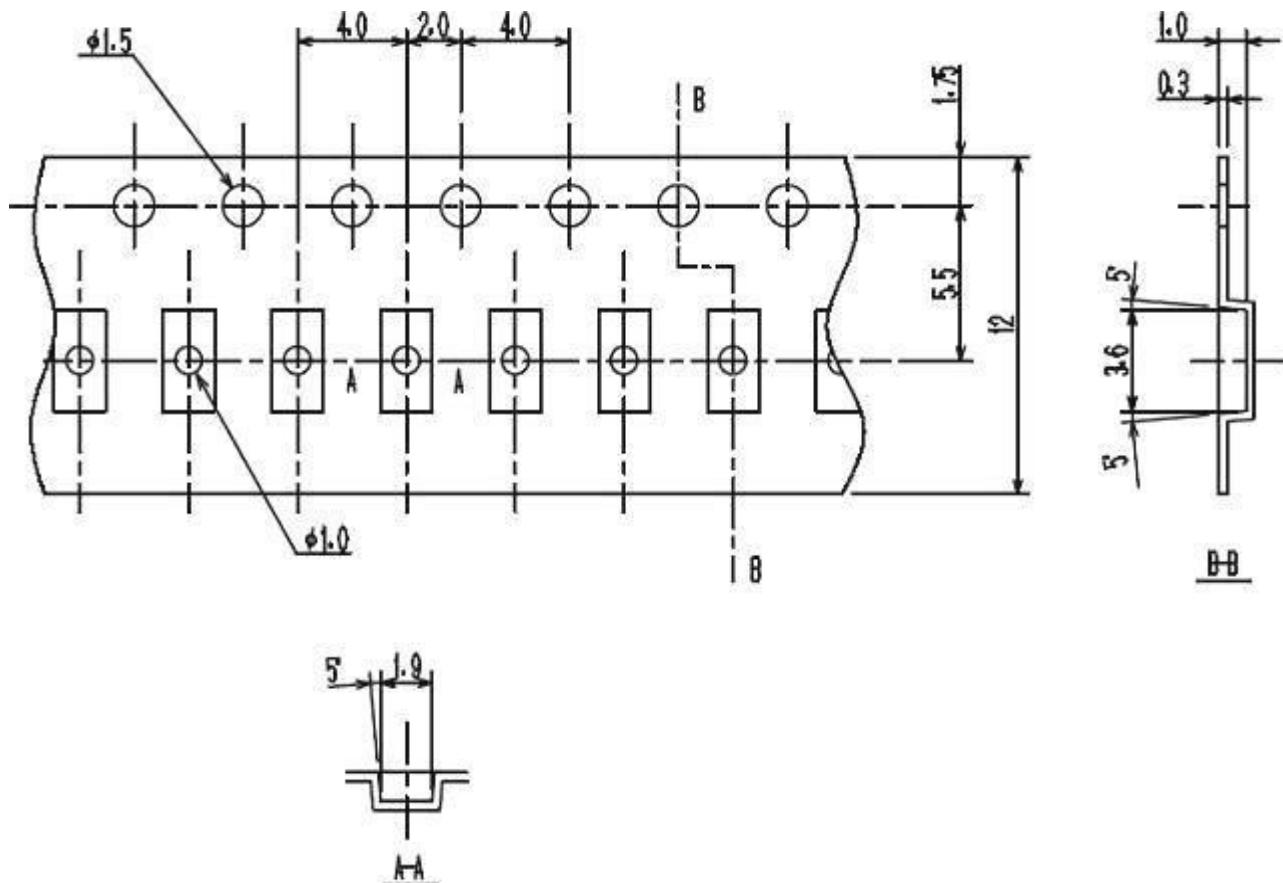
4. Packing form

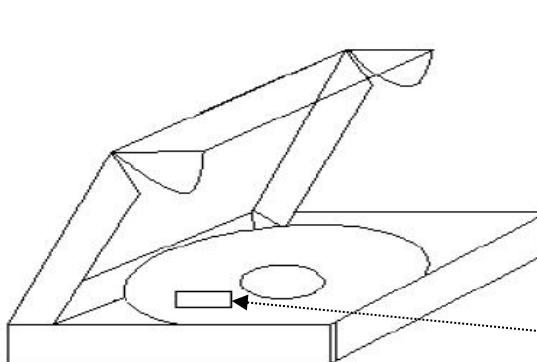


Available Reel Size (mm)	
Tape width	W±0.3 mm
24 mm	24.4

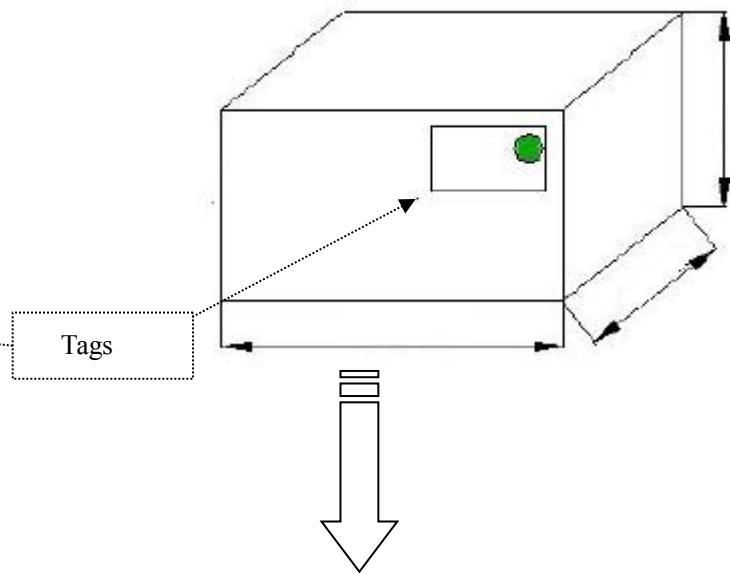


5. Reel specification





Put a plate in a box
(3000PCS)



Put 10 boxes in the
outbox (30000PCS)

