

Customer Code: \_\_\_\_\_

# DATASHEET

DAPU P/N: DPX5312M000016A0

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Jack	David	William	
Date: 2022.06.13			

## Guangdong Dapu Telecom Technology Co.,Ltd

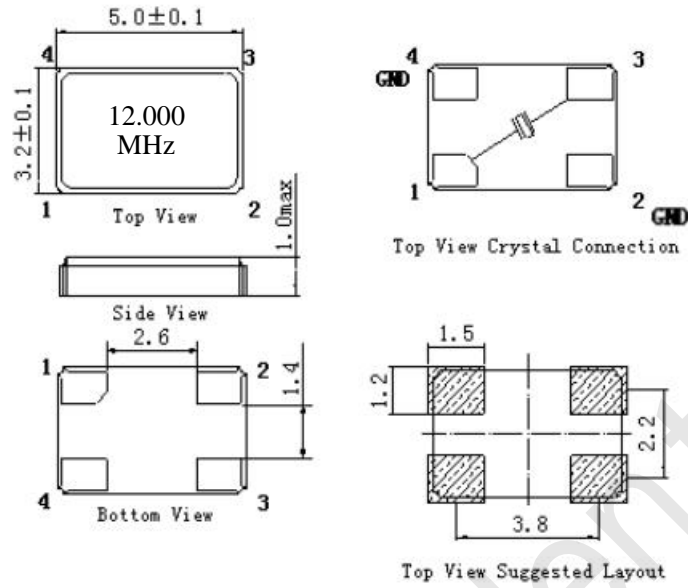
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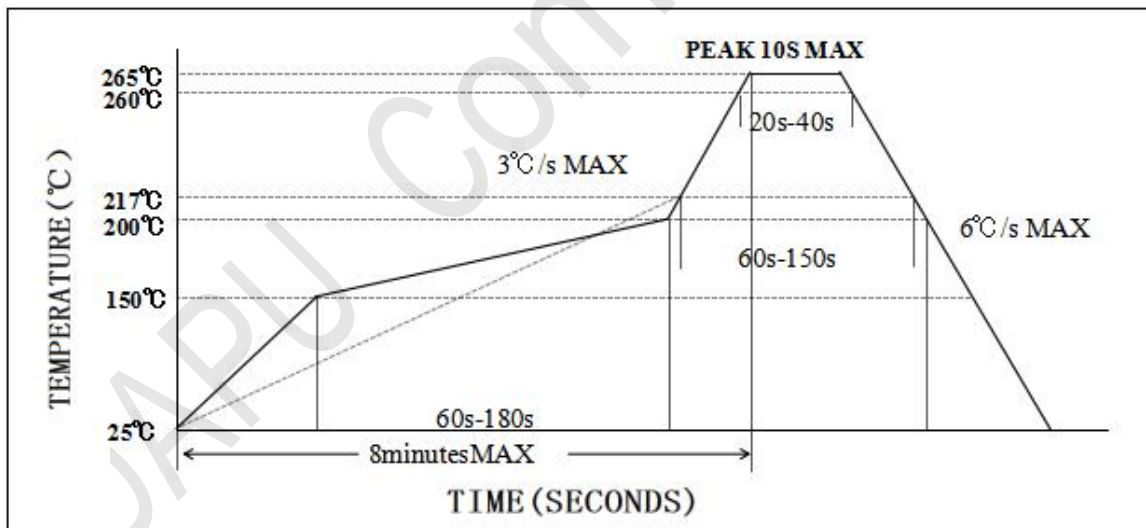
## 1、Electrical Parameters

MODEL: DPX5312M000016A0							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	12.00			MHz	
2	Oscillation Mode	-	Fundamental				
3	Load Capacitance	CL	16			pF	
4	Frequency Tolerance	-	-20		+20	$\times 10^{-6}$	At 25°C
5	Frequency Stability	-	-30		+30	$\times 10^{-6}$	Over Operating Temperature Range (Reference 25°C)
6	Operating Temperature	Topr	-40	~	+85	°C	
7	Storage Temperature	Tstg	-55		+125	°C	
8	Drive Level	DL	1	100	300	$\mu$ W	
9	Equivalent Series Resistance	ESR			80	$\Omega$	
10	Shunt Capacitance	-			3.0	pF	
11	Insulation Resistance	IR	500			M $\Omega$	At DC 100V
12	Aging	-	-3		+3	$\times 10^{-6}$	First year at 25°C

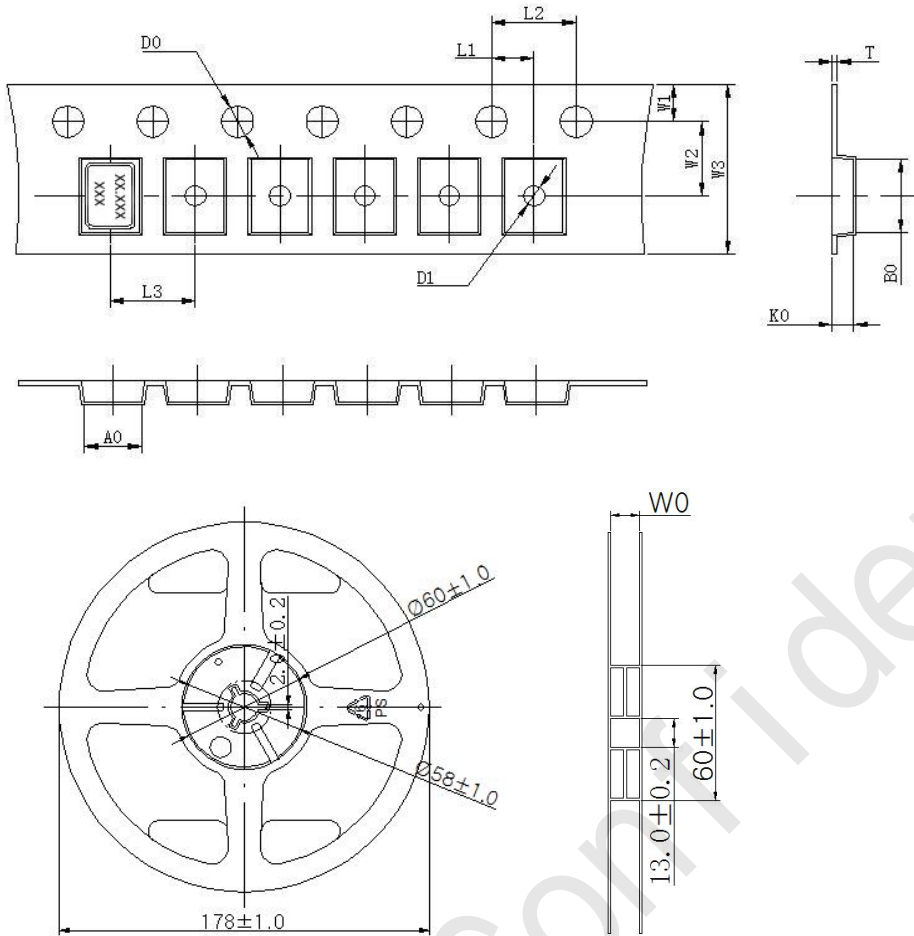
**2、 Mechanical Structure(mm)**



**3、 Reflow Soldering Curve(RoHS)**



#### 4、 Package: Tape & Reel (mm)



L1	2.00±0.1
L2	4.00±0.1
L3	8.00±0.1
D0	1.50±0.1
D1	1.50±0.1
W0	12.3±0.2
W1	1.75±0.1
W2	5.50±0.1
W3	12.0±0.1
A0	3.50±0.1
B0	5.30±0.1
K0	1.50±0.1
T	0.3±0.05

## 5、 Reliability Test Specification

NO.	Test Items	Test Standard	Test Condition	Specifications
1	Drop test	GB/T2423.8	Drop from 150cm height on 3cm hard wooden board for 3 times.	Electrical performance meets specification requirements
2	Mechanical shock	GB/T2423.5	Peak: 100g; Waveform: Half-sine; Velocity Change: 1000m/s <sup>2</sup> ; Duration: 0.5ms; 3 times/direction, Direction: +X, -X, +Y, -Y, +Z, -Z.	
3	Vibration	GB/T2423.10	Frequency: 10~2000Hz; Vibration:20min, 1.52mm; Direction: X, Y, Z; Duration: 2 hours/direction.	
4	Solderability	IEC60068-2-58	Solder bath temperature:245±5°C; Dwell time:3±0.5 seconds; Solder: 100% tin.	
5	Resistance to soldering heat	IEC60068-2-58	Solder temperature 260±5°C; Immersion time:10±1S; Solder bath composition:100% tin.	
6	High temperature storage	GB/T2423.2	Temperature: 125°C±2°C; Duration: 500±12hours.	
7	Low temperature storage	GB/T2423.1	Temperature: -40°C±2°C; Duration: 500±12hours.	
8	Temperature Shock	GB/T2423.22	Do 10 cycles at the following temperature <p>The diagram shows a temperature shock cycle. The temperature starts at 25 °C, ramps down to -55 ± 3 °C, stays there for 30 minutes, ramps up to +125 ± 3 °C, stays there for 30 minutes, and then ramps back to 25 °C. The total duration of one cycle is 10 minutes maximum.</p>	
9	High temperature high humidity storage	GB/T2423.3	Temperature: 85°C±3°C; Humidity: 85%; Duration: 500hours.	