

Customer Code: _____

DATASHEET

DAPU P/N: DP3U50M00001

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2023.09.18			

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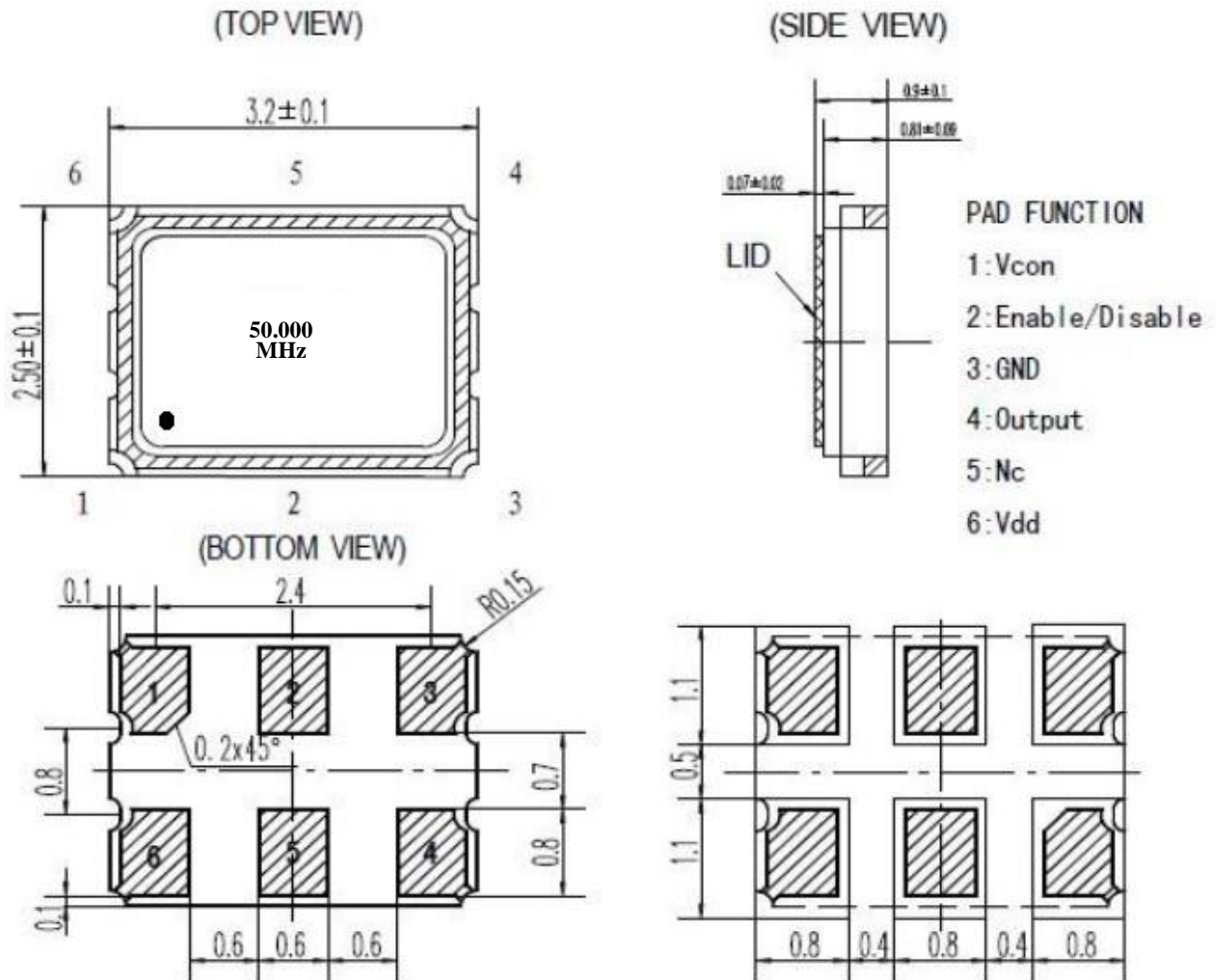


1、 Electrical Parameters

MODEL: DP3U50M00001							
No	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	50.000			MHz	
2	Output Waveform	-	CMOS			-	
3	Driving Ability	-	15			pF	
4	Total Stability	-	-50		+50	$\times 10^{-6}$	Inclusive of frequency tolerance @25°C and frequency stability vs. operating temperature range
5	Aging	-	-3		+3	$\times 10^{-6}$	One Year Aging Rate
6			-10		+10	$\times 10^{-6}$	15 Years Aging Rate
7	Supply Voltage		2.97	3.3	3.63	V	
8	Current Consumption	-	-	-	50	mA	
9	Symmetry	TH/T	45	~	55	%	
10	Start-up time	-	-	-	10	ms	T0 90% of Final Amplitude
11	Rise /Fall Time	Tf	-	-	5	ns	10%~90%Output Swing
12	Output Voltage High	VoH	0.9Vdd	-		V	
13	Output Voltage Low	VoL		-	0.1Vdd	V	
14	Pull Range	-		-	-50	$\times 10^{-6}$	V _c =0V. measurement referenced to V _c =1.65V
			+50				V _c =3.3V. measurement referenced to V _c =1.65V
15	Control Voltage	Vc	0	1.65	3.3	V	
16	Linearity	Lin	-10		+10	%	V _c =0.15 to 3.15V
17	Vc Ping Input Impedance		5			MΩ	
18	Modulation Band Width	Fc	15	20		KHz	
19	Phase Noise				-60	dBc/H z	10Hz
					-90		100Hz
					-120		1KHz
					-135		10KHz
					-143		100KHz
					-148		1MHz
20	Operating Temperature	Topr	-40	25	+85	°C	
21	Storage Temperature	Tstg	-55	~	+125	°C	

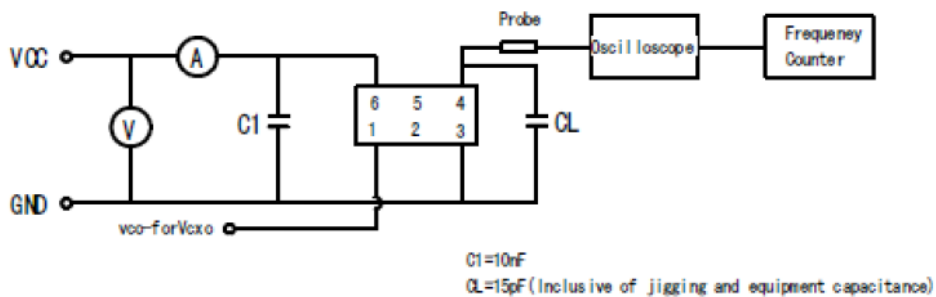


2、Mechanical Structure(mm)



Note1: Tolerance without mark: ±0.20mm

3、Test Circuit

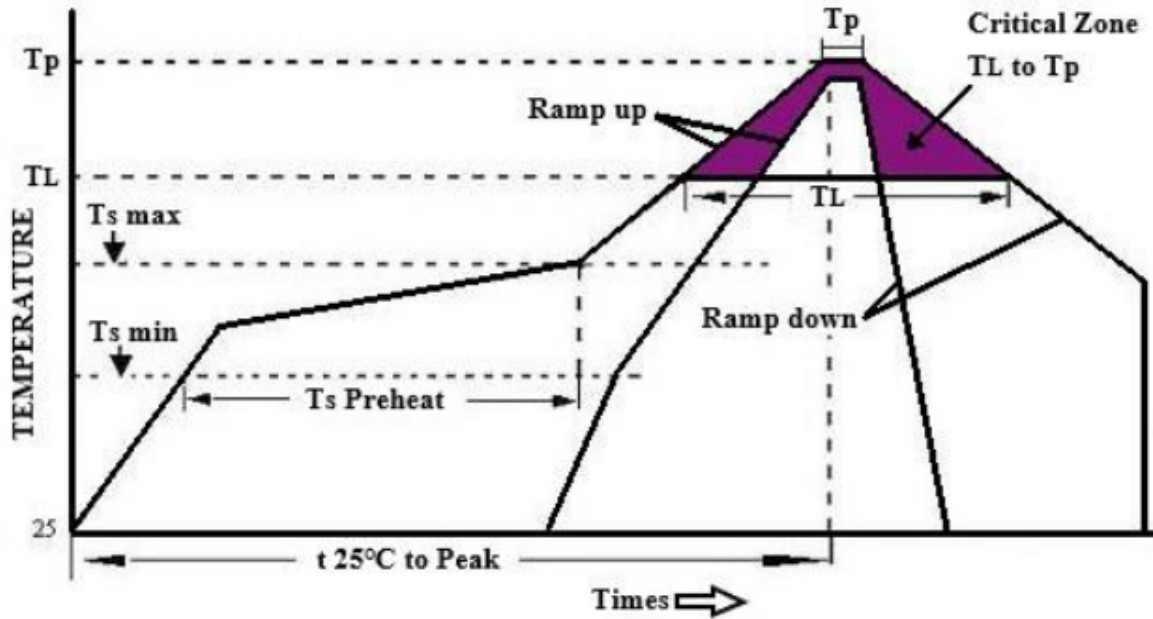


ENABLE TRUTH TABLE

PIN 2 or PIN 5	PIN 4
Logic '1'	Output
Open	Output
Logic '0'	High Imp.



4、 Reflow Soldering Curve (RoHS)



High Temperature Infrared /Convection

Note:Temperature shown are applied to body of device

Ts max to TL(Ramp-up Rate)	3°C/second max
Preheat	
Temperature Min(Ts Min)	150°C
Temperature Typical(Ts Typ)	175°C
Temperature Max.(Ts Max)	200°C
Time(ts)	60-180 seconds
Ram-up Rate(TL to Tp)	3°C/second Max
Time Maintained Above:	
--Temperature(TL)	217°C
--Time(TL)	60-150seconds
Peak Temperature (Tp)	260°C Max for 10 seconds
Time within 5°C of actual peak(tp)	20-40 seconds
Ramp-down Rate	6°C/seconds Max
Tune 25°C to Peak Temperature(t)	8 minutes Max
Moisture Sensitivity Level	Level 1

High Temperature Manual Soldering

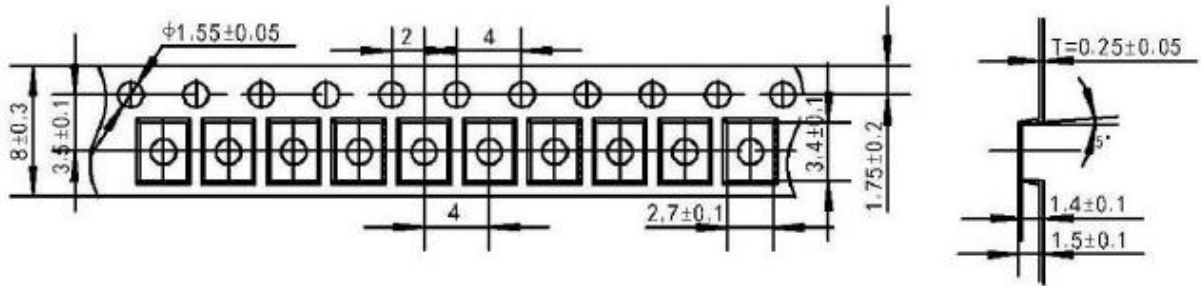
Note:Temperature shown are applied to body of device

260°C Max for 10 seconds Max, 4 times Max

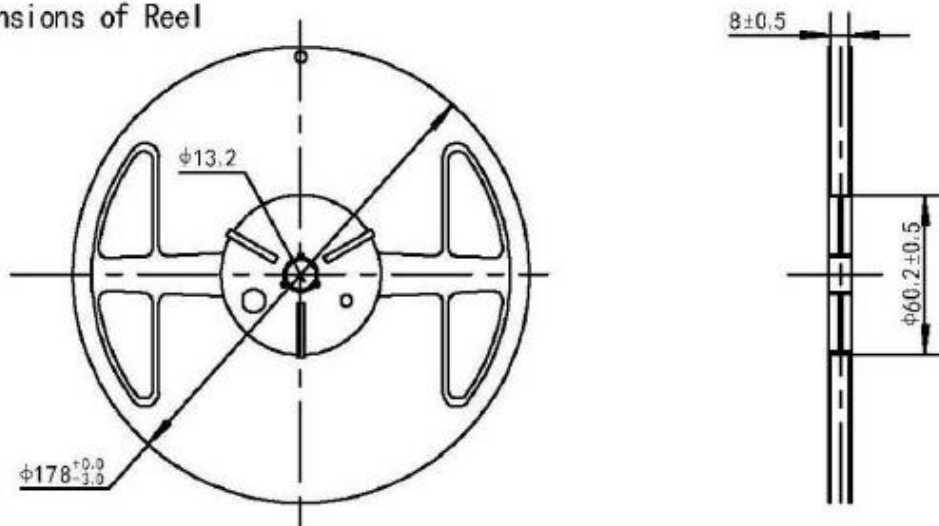


5、 Package: Tape & Reel (mm)

1. Dimensions of Carrier Tape



2. Dimensions of Reel



3. Packing

1 reel/box 1 reel=3000pcs

10 boxes/carton (the carton with bubble pad on four sides)

