

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

# DATASHEET

DAPU P/N: DPC75133M330AHB0

\_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2022.11.21			

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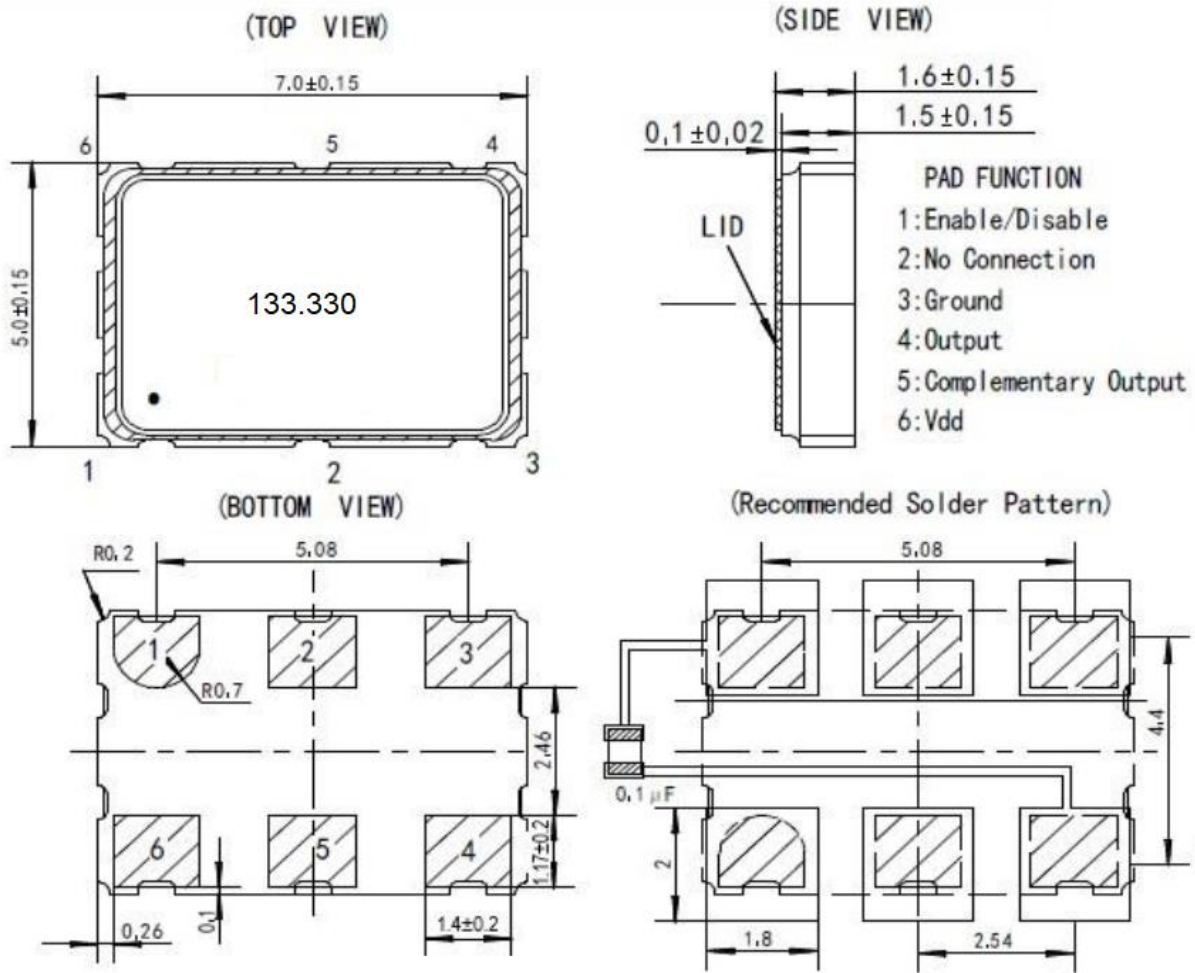


## 1、Electrical Parameters

MODEL: DPC75133M330AHB0							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	133.330			MHz	
2	Output Waveform		LVDS				
3	Maximum Supply Voltage Range	Vcc	-0.5		5	V	
4	Supply Voltage		2.97	3.3	3.63	V	
5	Frequency Stability	F-stab	-50		+50	$\times 10^{-6}$	Inclusive of frequency tolerance@25°C and frequency stability vs. operating temperature range and voltage variance.
6	Operating Temperature	T-opr	-40	25	+85	°C	
7	Storage Temperature	T-stg	-55	~	+125	°C	
8	Current Consumption	Icc	-		70	mA	
9	Rise/Full Time	Tr、 Tf			0.5	ns	20%~80%
10	Start up Time	T_start	-		3	ms	
11	Duty Cycle	DC	45		55	%	@Vcc-1.3V
12	Onput Voltage High	VOH			1.6	V	100±1Ω (R1+R1 between OUT-OUTN)
13	Onput Voltage Low	VOL	0.9			V	
14	Input Voltage High	VIH	70%	-	-	Vdd	Pin 1
15	Input Voltage Low	VIL	-	-	30%	Vdd	Pin 1
16	E/D Pin 1	Logic "1" or Floating input, Outputs enable; Logic "0" ,Outputs disable					
17	Jitter	RMS	-		0.2	ps	Integration bandwidth =12 kHz~20 MHz
18	First Year Aging		-3		+3	$\times 10^{-6}$	@25°C

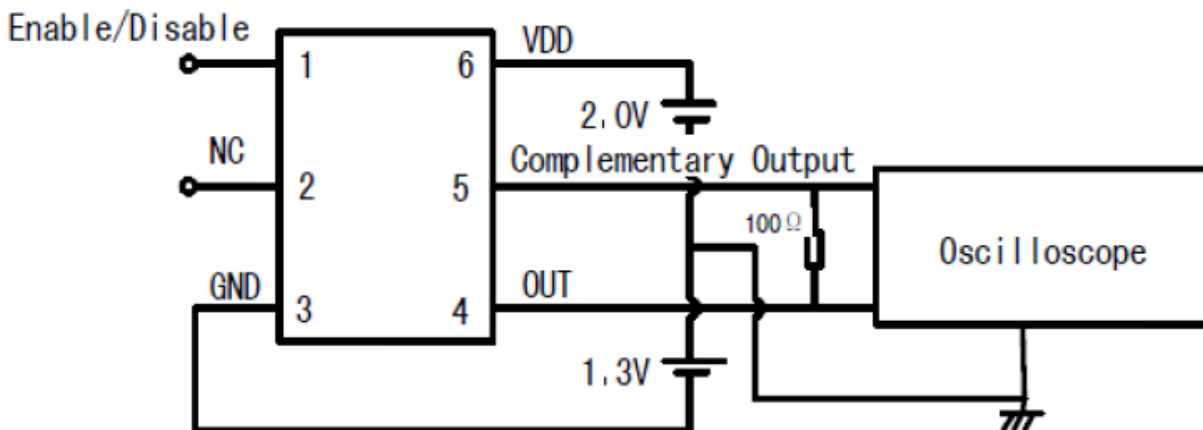


## 2、 Mechanical Structure(mm)



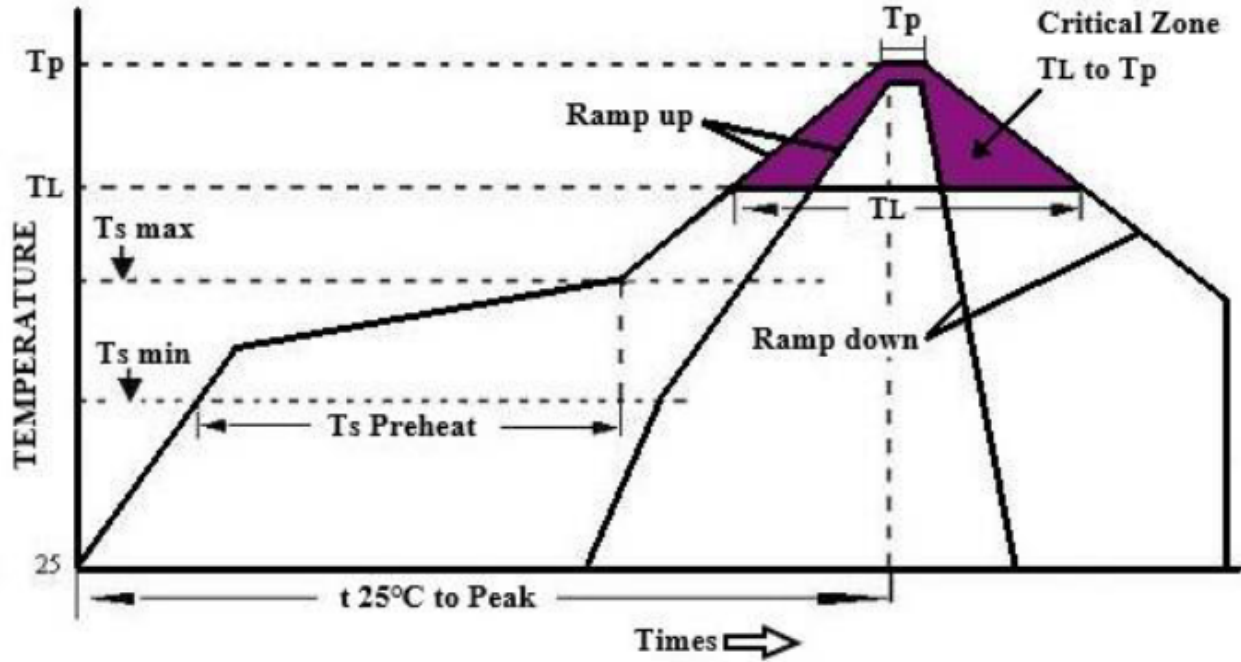
**Note1:**Tolerance ±0.2mm without mark

## 3、 Test Circuit





### 4、 Reflow Profile



#### High Temperature Infrared /Convection

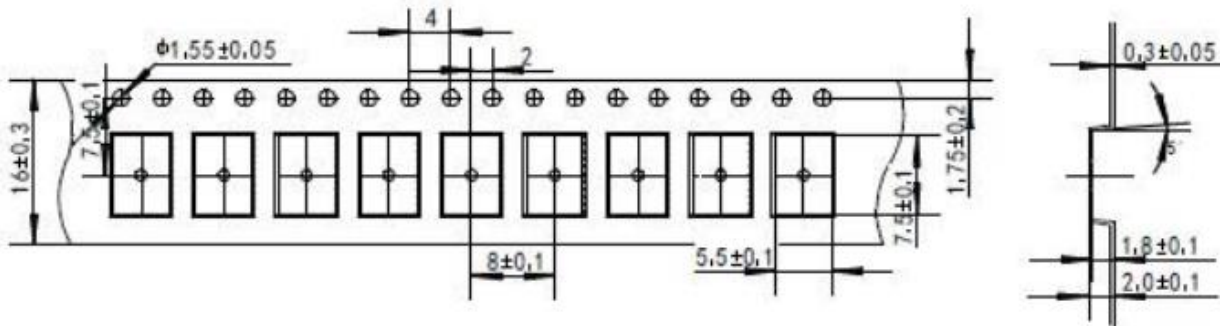
Note:Temperature shown are applied to body of device

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

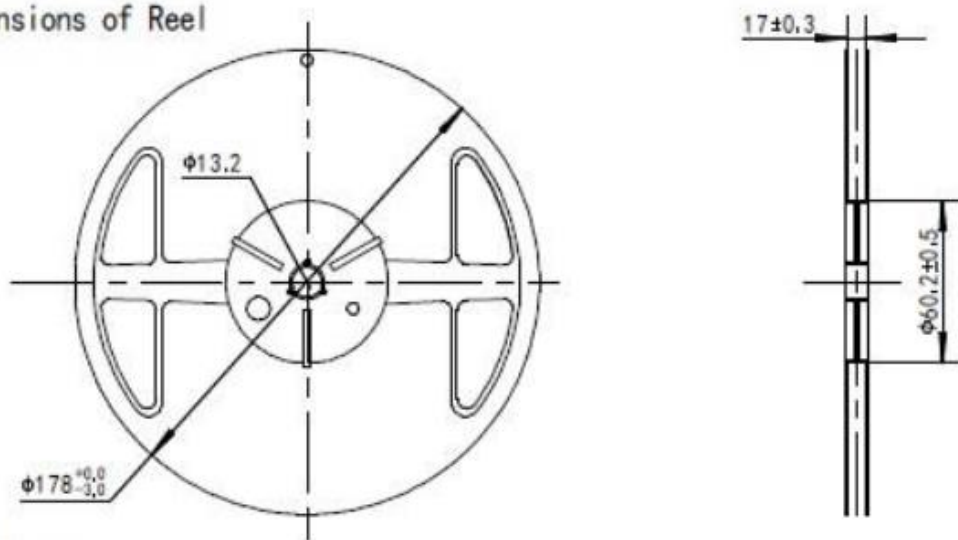


## 5、 Package: Tape & Reel (mm)

### 1. Dimensions of Carrier Tape



### 2. Dimensions of Reel



### 3. Packing

1 reel/box 1 reel=1000pcs

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

