

Travelling Merchant: _____

DATASHEET

Standard: **DPBE50M00001**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2023.09.22			

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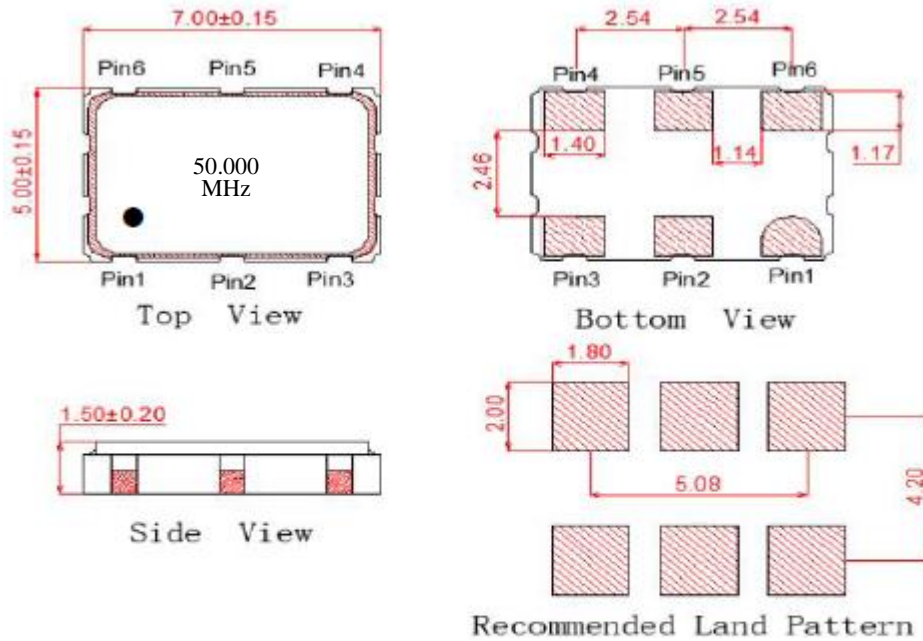


1、 Electrical Parameters

MODEL: DPBE50M00001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	50.000			MHz	
2	Vibration Mode	-	3rd				
3	Output Waveform	-	LVDS				
4	Output Load		100			Ω	
5	Frequency Tolerance vs. Operating Temperature Range	TC	-20		+20	$\times 10^{-6}$	
6	Initial Frequency Tolerance	FL	-20		+20	$\times 10^{-6}$	
7	Aging	-	-3		+3	$\times 10^{-6}$	1year@25°C
8	Operating Temperature	-	-40	25	85	°C	
9	Storage temperature range	-	-55		125	°C	
10	Operating Supply Voltage	Vdd	1.71	1.8	1.89	V	
11	“H” Output voltage	VOH		1.43	1.6	V	
12	“L” Output voltage	VOL	0.9	1.1		V	
13	Output Swing	VOS	247	330	454	mV	
14	Supply Current	Icc		5.5	11	mA	
15	Start up Time	-			2	mS	
16	Rise and Fall Time	Tr/Tf		0.3	0.6	nS	@20%-80%
17	Duty Cycle	-	45	50	55	%	@50%
18	Enable Feature						
19	Output Enable		Vcc*0.7 Or Floating			V	Pin 1 Tri-State
20	Output Disable				Vcc*0.3	V	
21	E/D (Pin 1)	Logic “1”Or Floating input, Outputs enable; Logic “0” ,Outputs disable					



2、Mechanical Structure(mm)

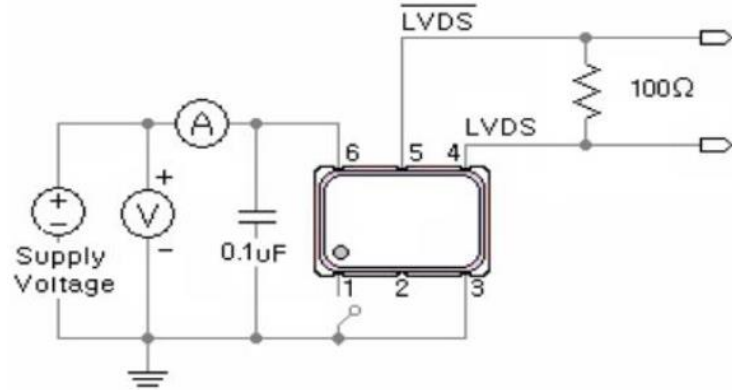


pin1: OE or NC	pin4: OUT
pin2:NC	pin5:OUTN
pin3:GND	pin6:Vdd

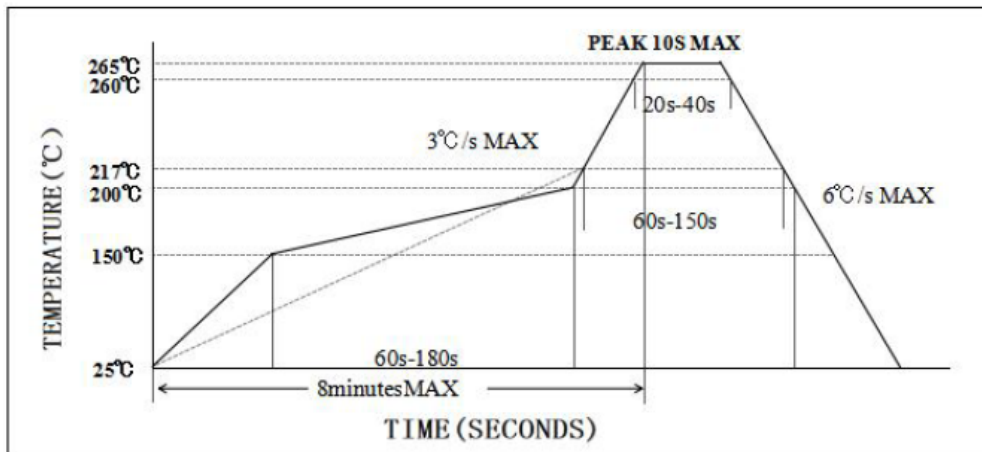
Note1: Tolerance ± 0.2 mm



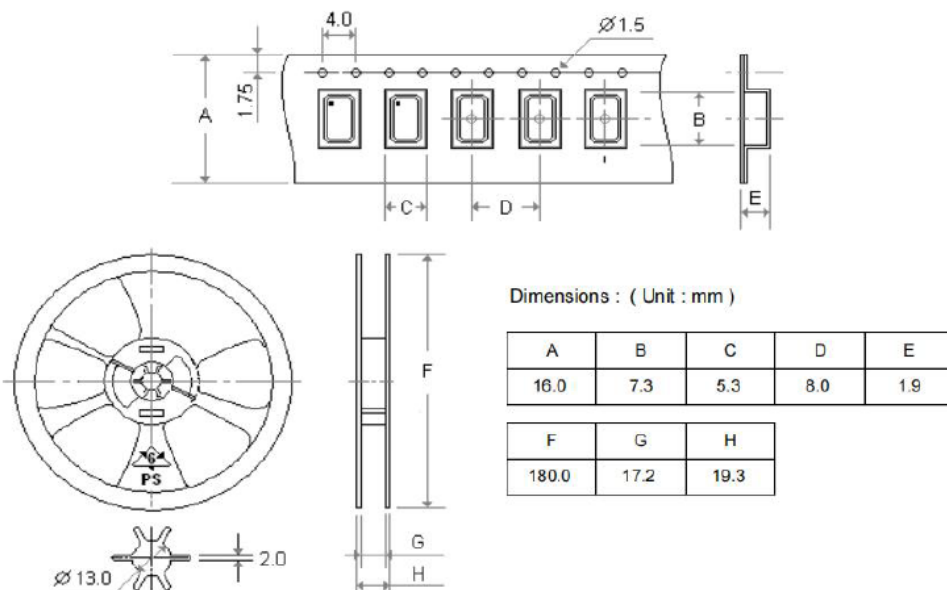
3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)



Dimensions : (Unit : mm)

A	B	C	D	E
16.0	7.3	5.3	8.0	1.9

F	G	H
180.0	17.2	19.3