

Travelling Merchant: _____

DATASHEET

Standard: **DP7W61440002**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2021.08.06			

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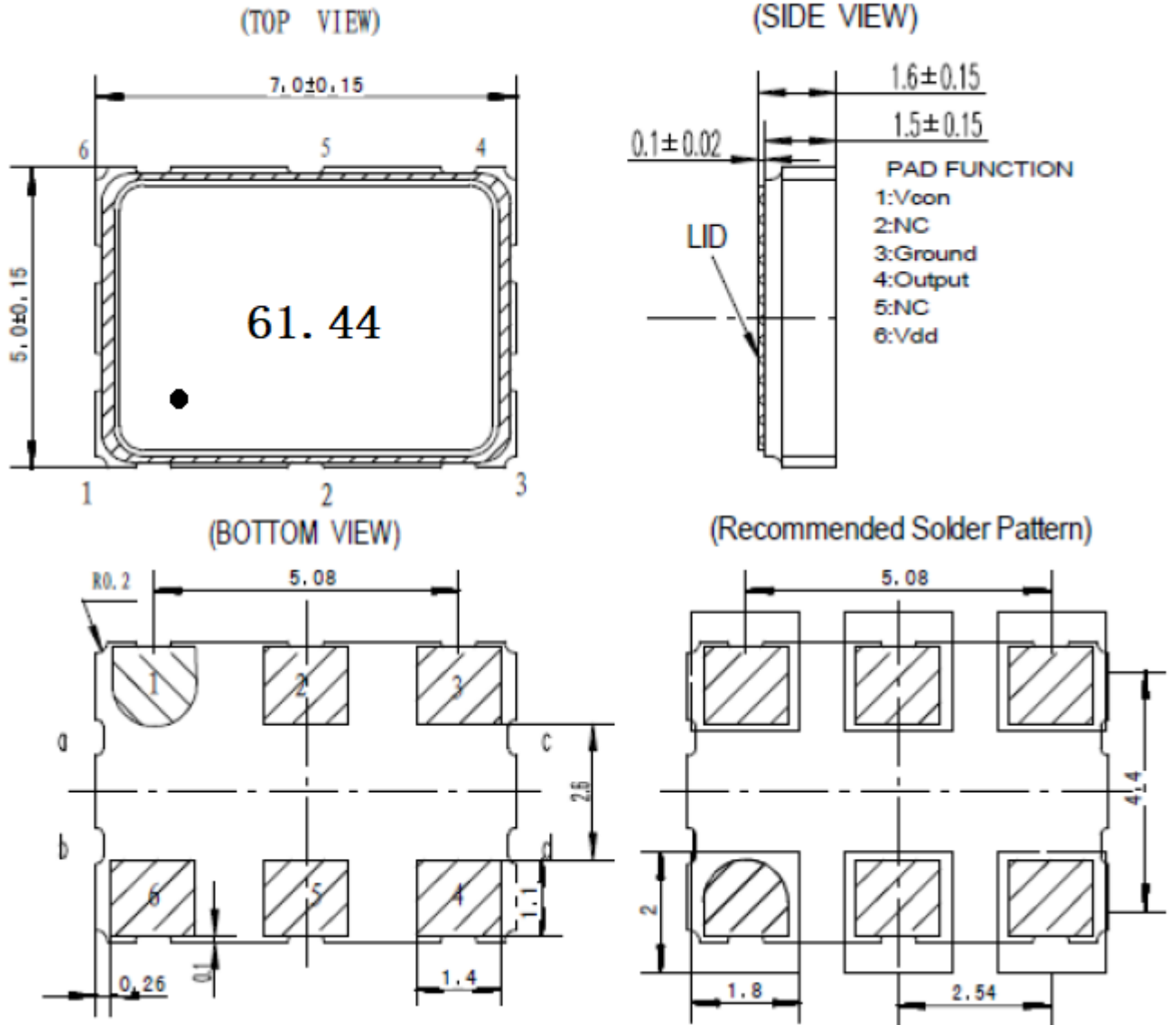


1、 Electrical Parameters

MODEL: DP7W61440002							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	61.44			MHz	
2	Vibration Mode	-	Fundamental				
3	Output Load Capacitance	LC		15		pF	CMOS
	Total Stability		-50		+50	$\times 10^{-6}$	frequency tolerance @25°C and frequency stability vs. operating temperature range and voltage variance and 10 years aging.
4	Temperature stability		-20		+20	$\times 10^{-6}$	@25°C
5	Initial frequency tolerance		-15		+15	$\times 10^{-6}$	At time of Shipment, Vc = 1.65V
6	Operating Temperature	-	-40	25	85	°C	
7	Operating Supply Voltage	Vdd	2.97	3.3	3.63	V	
8	Supply Current	Icc		5.5	30	mA	
9	Start up Time			0.3	1	mS	T0 90% of Final Amplitude
10	“H” Output voltage	VOH	Vdd*0.9			V	
11	“L” Output voltage	VOL			Vdd*0.1	V	
12	Control voltage	Vc	0		3.3	V	
13	Pull Range		± 100		± 200	$\times 10^{-6}$	
	Absolute Pull Range		± 50		± 150	$\times 10^{-6}$	
14	Modulation band width		15	20		kHz	
15	Vc pin input impedance		2	5		MΩ	
16	Linearity		-10		10	%	Vc=0V to 3.3V
17	Duty Cycle	-	45		55	%	
18	Aging	-	-3		+3	$\times 10^{-6}$	One year aging rate
			-10		+10	$\times 10^{-6}$	15 years aging rate
19	Rise and Fall Time	Tr/Tf		2.5	5	nS	
20	Jitter	RMS		0.3	1	ps	12kHz ~ 20MHz
21	Phase Noise				-60	dBc	10Hz
					-90		100Hz
					-125		1kHz
					-140		10kHz
					-150		100kHz
					-150		1MHz
22	Storage temperature range		-55		125	°C	



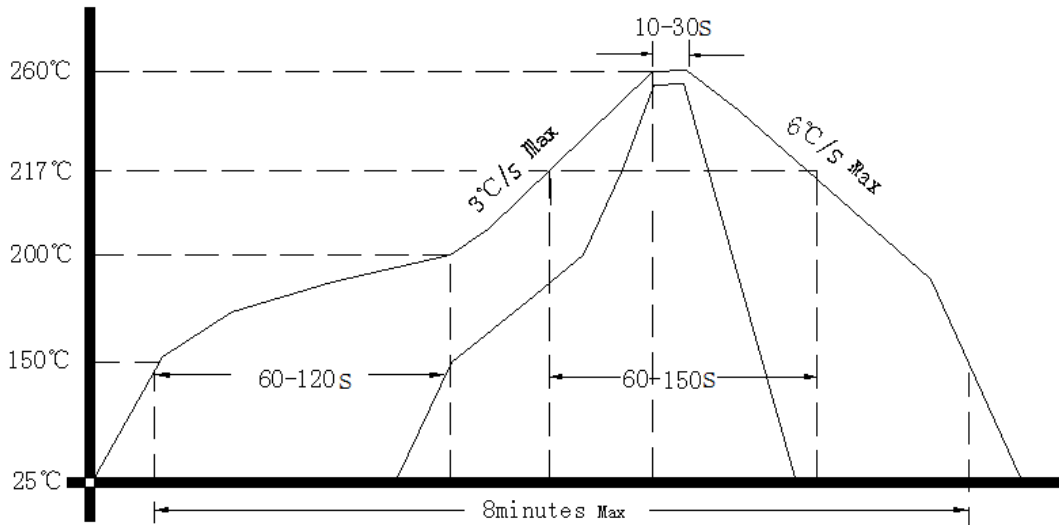
2、Mechanical Structure(mm)



Note1: Tolerance ± 0.2 mm



3、 Reflow Soldering Curve (RoHS)



4、 Package: Tape & Reel (mm)

