Customer Code:_____

DATASHEET

DAPU P/N: DPBF12288001

_____

DAPU			Customer Approval
Drew	Audited	Approved	
Amway.wei	Carry.Wang	Jason Zhao	
Date: 2020.05.25			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg 16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

TEL：0086-0769-88010888 FAX：0086-0769-81800098

Guangdong Dapu Telecom Technology Co., Ltd

http://www.dptel.com

Bldg 16,.N.Ind.Zone,SSL Industry Park,
Dongguan City, Guangdong Province,
PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

1、 Electrical Parameters

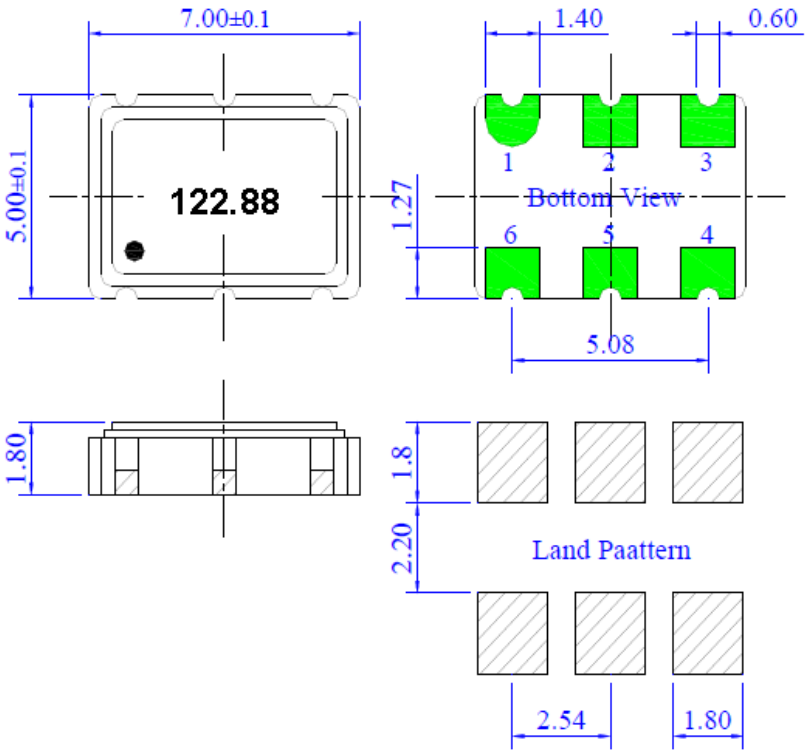
MODEL： DPBF12288001

No	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		122.88		MHz	
2	Output waveform			LVDS			
3	Duty Cycle		45	50	55	%	
4	Frequency Stability		-50		+50	$\times 10^{-6}$	Frequency stability includes frequency tolerance@25℃ and frequency stability vs. operating temperature range and voltage variance and first year aging.
5	Operating Temperature	Topr	-40		85	℃	The operating temperature range over which the frequency stability is measured.
6	Storage Temperature	Tstg	-55		125	℃	
7	Supply Voltage	VDD	3.135	3.3	3.465	V	
8	Input Current	Icc			80	mA	
9	Start Time				3.0	ms	Pad 2
10	Output Load：	CL		100		ohm	
11	Output Voltage High	VoH			1.6	V	
10	Output Voltage Low	VoL	0.9			V	
12	Rise / Fall Time	Tr			0.4	ns	
13	Aging		-3.0		+3.0	$\times 10^{-6}$	Frequency drift in first year
14	Enable	High or open=Enable					
15	Disable	Low or GND=Disable					
16	Shock	MIL-STD-202F method 213B, test condition: E, 1000G ½ sine wave					
17	Vibration	MIL-STD-202F method 204, 35G, 50 to 2000Hz					
18	Humidity	85% RH, +85℃ for 48 hours					
19	Solderability	MIL-STD-202F method 208E					
20	Fine leak	MIL-STD-883 method 1014, condition A					
21	Gross leak	MIL-STD-883 method 1014, condition C					

Bldg 16,.N.Ind.Zone,SSL Industry Park,
Dongguan City, Guangdong Province,
PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

22	Center Voltage			1.65		V	
23	Pulling Range		±90			ppm	
24	Control Voltage Range		0.3		3.0	V	
25	Slope			Positive			
26	Linearity				10	%	
27	Modulation Bandwidth		±50			KHz	
28	VC Input Impedance		1			Mohm	
29	RMS Phase Jitter			0.5		pSec	(12KHz - 20MHz)
30	Phase Noise @25℃			-85		dBc/Hz	100Hz
31				-115			1KHz
32				-125			10KHz
33				-140			100KHz

2、Mechanical Structure(mm)

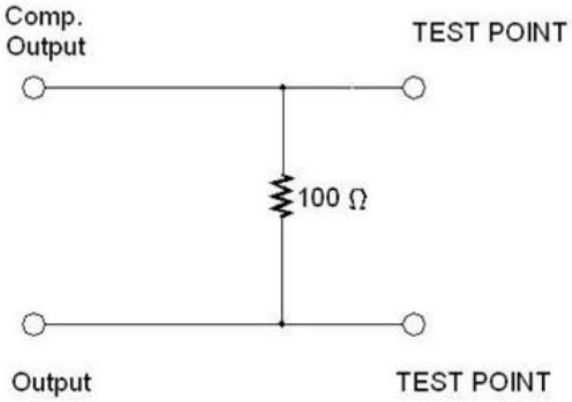


SX7, 6 pads 7.0x5.0x1.8mm *Marking:* Frequency **15401SX7LQV** INOT wwyy	*Pin connections:* #1: Voltage control #2: E/D #3: GND #4: Output #5: Complementary output #6: Vdd

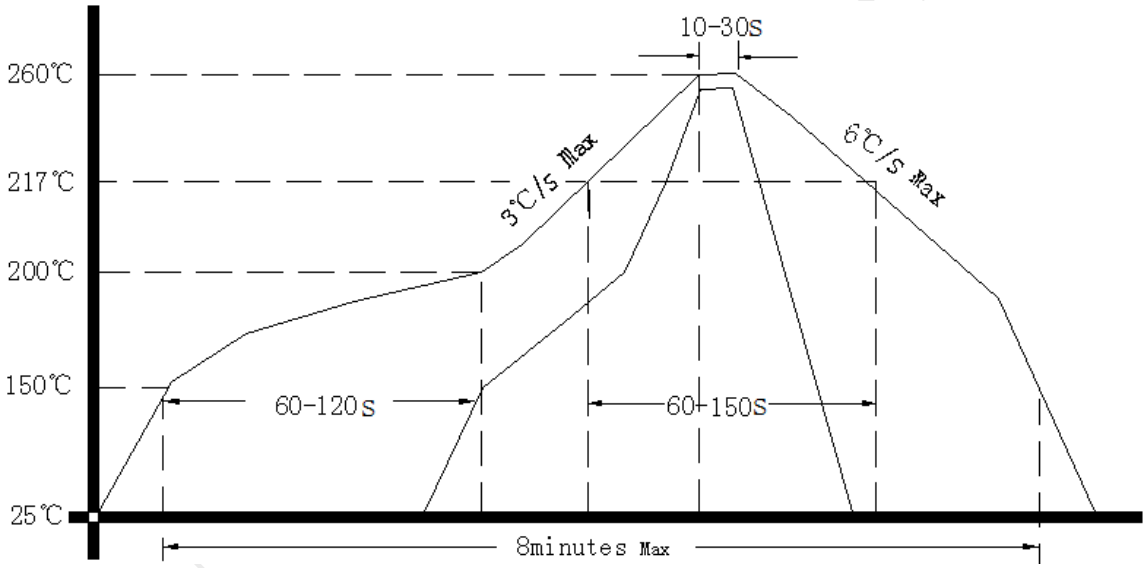
Note1: Tolerance ±0.20mm

Bldg 16,.N.Ind.Zone,SSL Industry Park,
Dongguan City, Guangdong Province,
PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

3. Test Circuit



3、Reflow Soldering Curve (RoHS)



4、Package: Tape & Reel (mm)