

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

# DATASHEET

DAPU P/N: DP7J12288001

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Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2018.12.11			

## Guangdong Dapu Telecom Technology Co.,Ltd

Bldg16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

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



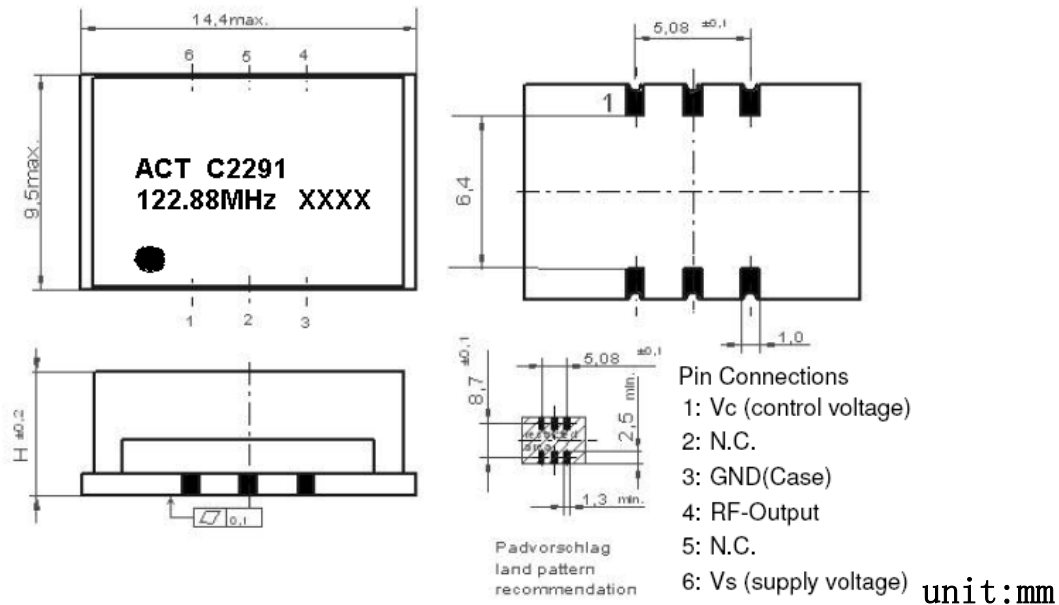
## 1、Electrical Parameters

MODEL: DP7J12288001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	122.88			MHz	
2	Output Waveform		LVCMOS				
3	Supply Voltage		3	3.3	3.6	V	
4	Over all	df/f0	-50		+50	ppm	-40~85 °C
5	Additional information		-20		+20	ppm	Inlc. df vs initial, temp -40~85 °C,dVs dLoad,aging
6	Absolute pulling range (APR)	df/f0	20			$\times 10^{-6}$	ext.turing voltage @0 to 3.3V
7	Linearity				10	%	
8	slope		positive				
9	Frequency control input impedance		1000			kOhm	
10	Current Consumption steady state				24	mA	@Vsnom &25 °C
11	Load		13.5	15	16.5	pF	
12	Fan out		3				
13	Rise Time	Tr			3	ns	@20% to 80% Vout
14	Full Time	Tf			3	ns	@80%~20% Vout
15	Duty Cycle	DC	45		55	%	@1.65V
16	V Low				0.3	V	
17	V High		2.97			V	
18	Spurious				-100	dBc	
19	Phase Noise			-76		dBc/Hz	@10Hz
				-109			@100Hz
				-135			@1000Hz
				-155			@10kHz
				-162			@100kHz
				-166			@1MHz
				-166			@10MHz
20	Jitter			0.08		psec RMS	@12kHz to 20MHz
21	Operable temperature range		-40		+85	°C	
22	Storage temperature range		-40		+90	°C	
23	Additional information	Jitter typ 45fsec					
24	RoHS compliance	100% RoHS 6 compliant					



25	Washable	Non-washable device
26	Vibration sine	MIL-STD-883 Meth 2007 Cond A -20g 20-2000Hz 4x in each 3axis 4 min sweep time
27	Mechanical shock	MIL-STD-202 Meth 213 Cond.E- 1000g 0,5ms 6 shocks in each dirwction
28	Solderability	J_STD_002C Cond. A,Trough hole device; Cond. B SMD (correspond to MIL-STD-883 Meth 2003) -255°C (diving Time 5+0,5sec.) Dip+Look with 8h damp pre-treatment:solder wetting>95%
29	Reflow Somulation Text	J_STD_020D – TOTAL 3x Lead free profile(for SMD)
30	ESD HBM	JESD22-A 114F Class 1B -10x1000V
31	Moisture Sen. Level	JESD22-A113-B-only if> MSL 1
32	High temp oerating life(HTOL)	MIL-STD-202 Meth 108A Cond C-1000h @105°C under voltage
33	Low temp oerating life(LTOL)	IEC 60068-2-1 Cond.Ae- Ta=-40°C,>1000 hours with bias for OCXO

## 2、Mechanical Structure(mm)



**Note1:** The first two xx representative: year  
After two xx representative: week

## 3、Waveform Diagrams

