

Travelling Merchant: \_\_\_\_\_

# DATASHEET

Standard:                     **D32-28.80MHz**  **RDTEMPH900260**                    

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2019.03.05			

## Guangdong Dapu Telecom Technology Co.,Ltd

Bldg13-16,N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

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

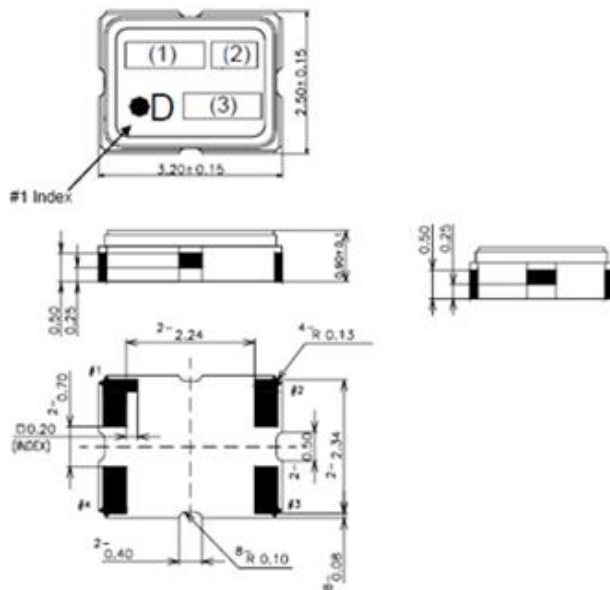


## 1、 Electrical Parameters

MODEL: D32-28.80MHz								
No.	Parameters		SYM.	Electrical Spec.				Notes
				Min.	Typ.	Max.	Units	
1	Nominal Frequency		-	28.80			MHz	
2	Supply Voltage		-	3.13	3.3	3.47	V	
3	Current Drain		-	-	-	1.5	mA	
4	Output Level		-	0.8	-	-	Vp-p	
5	Output Waveform		-	Clipped Sine wave			-	
6	Standard Output Load		-	10KΩ//10pF			-	
7	Frequency Stability	vs.Initial Tolerance	-	-1.0	-	+1.0	$\times 10^{-6}$	Measurement referenced to frequency observed with TA=25°C, Vcc=3.3V within 30 days after ex-works
8		vs. Temperature	-	-0.5	-	+0.5	$\times 10^{-6}$	TA varied from -30°C to +85°C, Ref. to Frequency TA=25°C
			-	-1.0	-	+1.0	$\times 10^{-6}$	TA=-40~-30°C Ref. to Frequency (TA=+25°C)
9		vs. Load	-	-0.2	-	+0.2	$\times 10^{-6}$	±5% load change measurement referenced to frequency
10	vs. Supply Voltage	-	-0.2	-	+0.2	$\times 10^{-6}$	Vcc varied from 3.13V to 3.47V	
11	Operating Temperature Range		-	-40	~	+85	°C	
12	Storage Temperature		-	-40	~	+85	°C	
13	Aging		-	-1.0	-	+1.0	$\times 10^{-6}$	1st Year
14	Frequency Tuning Range		-	-15	-	-9	$\times 10^{-6}$	Vc= 0.5 V. measurement referenced to Vc=1.5V
			-	+9	-	+15	$\times 10^{-6}$	Vc=2.5V.measurement referenced to Vc=1.5V
15	Linearity		-	-	-	10	%	
16	Slope			Positive				
17	Input Impedance		-	500	-	-	KΩ	
18	Phase Noise		10Hz	-	-	-83		dBc/Hz
			100Hz	-	-	-110		
			1KHz	-	-	-133		
			10KHz	-	-	-143		
			100KHz	-	-	-145		



## 2、Mechanical Structure(mm)



### Pin Connections

Pin No.	Connection
#1	V <sub>c</sub>
#2	GND
#3	Output
#4	V <sub>cc</sub>

### Marking

(1) Frequency 28.80 (MHz, 4digits)  
 (2) Model code AN  
 (3) Date code Year (1digit) +Week (2digits)  
 e.g.2013/01/01 → 301

unit: mm

Dimensional Tolerance:  $\pm 0.15$   
(Unless otherwise noted)

Note1: Tolerance  $\pm 0.2$ mm

DAPU Confidential