

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

# DATASHEET

Standard:     **T1612-S589-52.00MHz**      
 \_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2022.04.11			

## Guangdong Dapu Telecom Technology Co.,Ltd

Building 5, No.24, Industrial East Road, Songshanhu Park, Dongguan, Guangdong, P.R. China

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

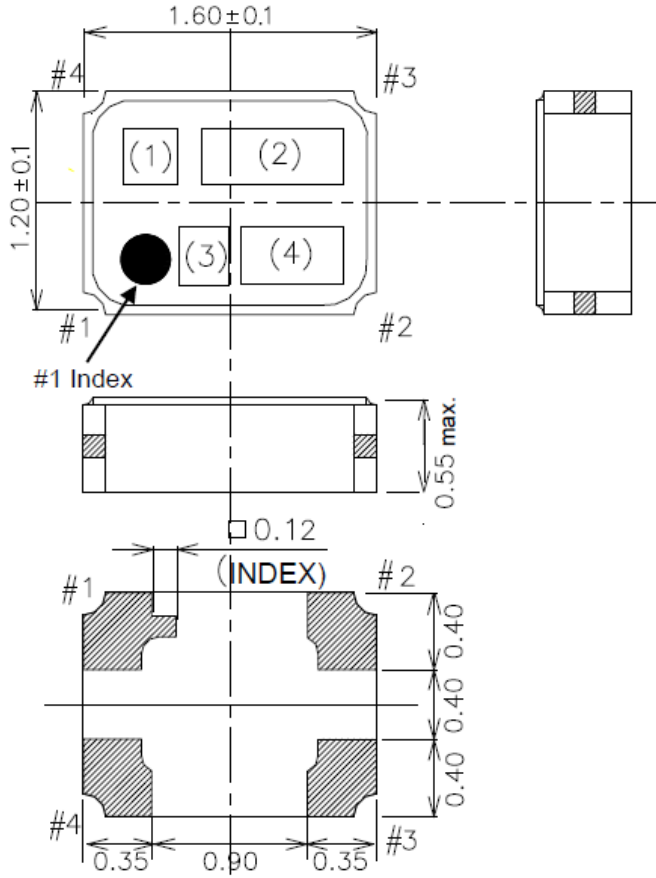


## 1、 Electrical Parameters

MODEL: T1612-S589-52.00MHz							
No	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	-	52.00			MHz	
2	Supply Voltage	-	1.71	1.8	1.89	V	
3	Current consumption		-	-	1.5	mA	
4	Start-up time				2	ms	
5	Output Level	-	0.8	-	-	V <sub>p-p</sub>	
6	Symmetry		40		60	%	
7	Output Waveform		Clipped Sine wave			-	
8	Standard Output Load	-	10KΩ/10pF			-	
9	Frequency Stability	vs. Tolerance	-1.5	-	+1.5	× 10 <sup>-6</sup>	@25±2℃ 2H, After 2times reflow soldering, based on nominal frequency.
10		vs. Temperature	-0.5	-	+0.5	× 10 <sup>-6</sup>	TA= -40~+85℃ Ref. to Frequency (TA=+25℃)
11		vs. Hysteresys	-0.6	-	+0.6	× 10 <sup>-6</sup>	
12		vs. Load	-0.2	-	+0.2	× 10 <sup>-6</sup>	V <sub>cc</sub> ±5%
13		vs. Supply Voltage	-0.2	-	+0.2	× 10 <sup>-6</sup>	Load±10%
14	Operating Temperature Range	-	-40	~	+85	℃	
15	Storage Temperature	-	-40	~	+85	℃	
16	Aging	-	-1.0	-	+1.0	× 10 <sup>-6</sup>	Per year ( at 25℃)
17	Phase Noise @ 25℃±2℃				-130	dBc/Hz	1KHz
18	ESD Level	Human Body Model, class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.					
		Machine Model, class B: 200V to 400V; JEDEC JESD22-A115C.					
19	Moisture Sensitivity Level	Level 2.					
20	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X , Y , Z ) .IEC 68-2-06 Test Fc.					
21	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X , Y , Z ),IEC 68-2-27 Test Ea/Severity 50A.					



## 2、Mechanical Structure(mm)



### Pin Connections

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

### Marking

- (1) Model code      B
- (2) Frequency      52.0 (MHz, 3digits)
- (3) Logo            D
- (4) Date code      Year (1digit) +Week (2digits)  
e.g.2018/1/1 → 801

unit: mm

Dimensional Tolerance:  $\pm 0.1$

(Unless otherwise noted)

## 3. Test Circuit

