

Travelling Merchant: _____

DATASHEET

Standard: OS70506-GLAN-100.00MHz

Plot			The Label
Drawing	Auditing	Approve	Stamp, please! Thanks!
Date: 2009-05-13			

Dongguan Dapu Telecom Technology Co.,Ltd

No.1 New City Street,Songshan Lake Science Park, Dongguan City,Guangdong province, PRC CHINA

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



1、 Scope:

- 1.1 Description: SMD Crystal Oscillator
- 1.2 Center Frequency: 100.00MHz
- 1.3 Dimension & Drawing No: OS70506-GLAN-100.00MHz

2、 Construction:

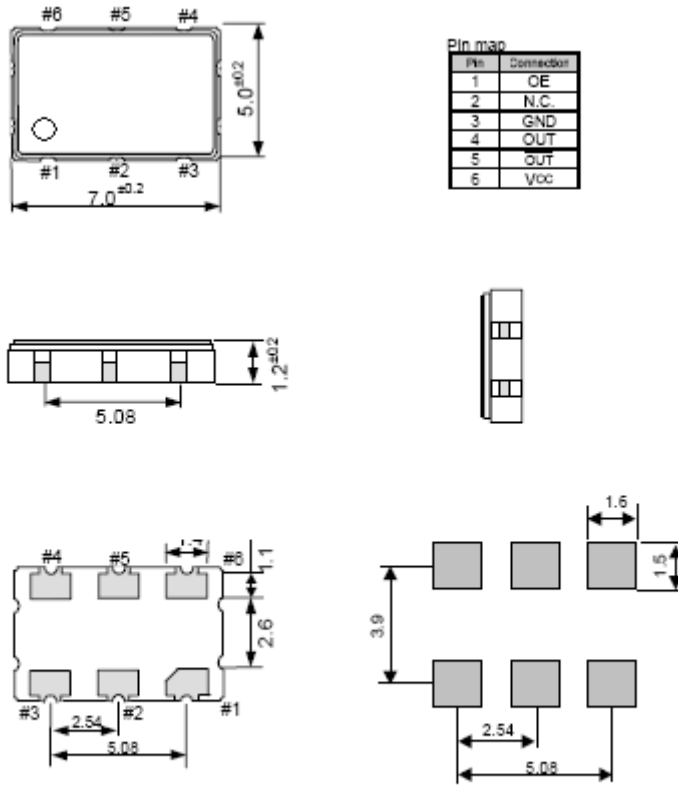
- 2.1 Oscillators series: SMD7×5 XO

3、 Electrical Characteristics

- 3.1 Nominal Frequency: 100.00MHz
- 3.2 Frequency Stability: $\leq \pm 50 \text{ppm}$ @ -5°C ~ +85°C ref. to 25 °C
- 3.3 Input Voltage: 3.3V \pm 5%
- 3.4 Current Consumption: $\leq 45 \text{mA}$
- 3.5 Output Waveform: LV-DS
- 3.6 Output Symmetry: 45% ~ 55%
- 3.7 Rise/Fall Time: $\leq 400 \text{ps}$ @ measured 80% ~ 20% of waveform
- 3.8 Output Load: 100 Ω
- 3.9 Aging: $\leq \pm 10 \times 10^{-6} / \text{year}$ @ +25°C, First year, V_{cc}=2.5V, 3.3V
- 3.10 Enable/ Disable: $\geq 0.7V_{cc}$ @ Enable
 $\leq 0.3V_{cc}$ @ Disable
- 3.11 Start up time: $\leq 10 \text{ms}$ @ time at minimum supply voltage to be 0 s
- 3.12 Phase Jitter: $\leq 1 \text{ps(RMS)}$ @ 12 kHz ~ 20MHz frequency band
- 3.13 Jitter
 - t_{DJ} $\leq 0.2 \text{ps}$ @ Deterministic Jitter
 - t_{RJ} $\leq 3.0 \text{ps}$ @ Random Jitter
 - t_{RMS} $\leq 3.0 \text{ps}$ @ σ (RMS of total distribution)
 - t_{P-P} $\leq 25 \text{ps}$ @ Peak to Peak
 - t_{acc} $\leq 4.0 \text{ps}$ @ Accumulated Jitter(σ)n=2 to 50000 cycles
- 3.14 Operating Temperature Range: -5°C to +85°C
- 3.15 Storage Temperature Range: -40°C to +100°C



4、Figure



#3 is connected to the cover.

Unit: mm