

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

# DATASHEET

Standard: **T75-ACNPCN-12.80MHz**

Plot			The Label
Drawing	Auditing	Approve	Stamp, please! Thanks!
Date:			

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## The parameter of product

MODEL: **T75-ACNPCN-12.80MHz**

### 1. Output

- 1.1. Nominal Frequency 12.80MHz
- 1.2. Waveform HCMOS  
Voh ≥ 0.9Vs, Vol ≤ 0.1 Vs
- 1.3. Duty cycle 45%~55% @ 50%
- 1.4. Rise / Fall time(10%~90%) ≤ 9ns
- 1.5. Load 15pF max

### 2. Frequency Stabilities

- 2.1. Stability vs. operating temp. rang ≤ ±2.8 x10<sup>-7</sup> @ -20 °C ~ +70 °C ref. to 25 °C
- 2.2 Initial Frequency -4 ~ +6Hz Measurement referenced to frequency observed with TA=25°C, Vcc=3.3V within 30 days after ex-works.
- 2.3. Frequency Stabilities ≤ ±3.2x10<sup>-7</sup> @ Temperature, -20 to 70 °C, inclusive of Supply Voltage, 3.3V ±5% and Ageing, 24 hours
- 2.4. Calibration ≤ ±4.6x10<sup>-6</sup> @ 25 °C, Temperature -20 to 70 °C, Supply Voltage 3.3V ±5% Load 15pF ±5%, Ageing 20 years

### 3. Supply Voltage

- 3.1. Supply Voltage +3.3V ±5%

### 4. Current

- 4.1. Input Current 4mA(Typical)

### 5. Phase Noise

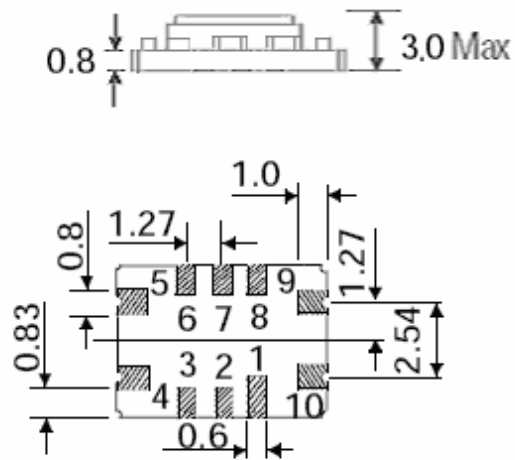
- 5.1. 1KHz -127dBc/Hz(Typical)

### 6. Environmental conditions

- 6.1. Operable temperature range -20 °C to +70 °C
- 6.2. Storage temperature range -55 °C to +125 °C
- 6.3. Vibration Test Condition: 1.52mm (amplitude, 5~26Hz), 19.6m/s<sup>2</sup> (26~500Hz), 20 min per1 cycle, test 2 hour. (3 times for each 3 planes)
- 6.4. Shock 980m/s<sup>2</sup>, 6msec wave, 3 times for each 3 planes
- 6.5. Drop Test Condition: 1 drop on hard wood from 75cm height in each 3 planes
- 6.6. Save Recommend keep it on 30 °C, 70%RH (humidity)



7. Mechanical



Pad Connections

- 1.NC
- 2.NC
- 3.NC
- 4.GND
- 5.Output
- 6.NC
- 7.NC
- 8.NC
- 9. +Vs
- 10.NC

Unit : mm

**Note:** The bottom view means that the stitches are against the people