

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 |
| | $V_{oh} \geq 0.9V_s$, $V_{ol} \leq 0.1 V_s$ |
| 1.3. Duty cycle | 45%~55% @ 50% |
| 1.4. Rise / Fall time(10%~90%) | $\leq 9ns$ |
| 1.5. Load | 15pF max |

2. Frequency Stabilities

| | |
|---|---|
| 2.1. Stability vs. operating temp. rang | $\leq \pm 2.8 \times 10^{-7}$ @ -20°C ~ +70°C ref. to 25 °C |
| 2.2. Frequency Stabilities | $\leq \pm 3.2 \times 10^{-7}$ @ Temperature, -20 to 70°C, inclusive of Supply Voltage, 3.3V±5% and Ageing, 24 hours |
| 2.3. Calibration | $\leq \pm 4.6 \times 10^{-6}$ @ 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

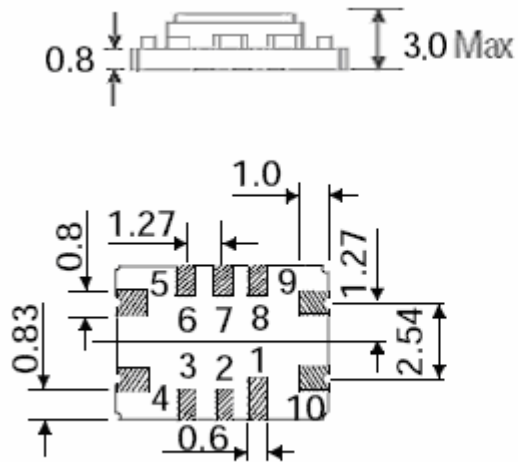
| | |
|-----------|---------------------|
| 5.1. 1KHz | -127dBc/Hz(Typical) |
|-----------|---------------------|

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 ² (26~500Hz), 20 min per1 cycle, test 2 hour. (3 times for each 3 planes) |
| 6.4. Shock | 980m/s ² , 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