

Travelling Merchant: A001

DATASHEET

Standard: T75A-RCAN-20.00MHz

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

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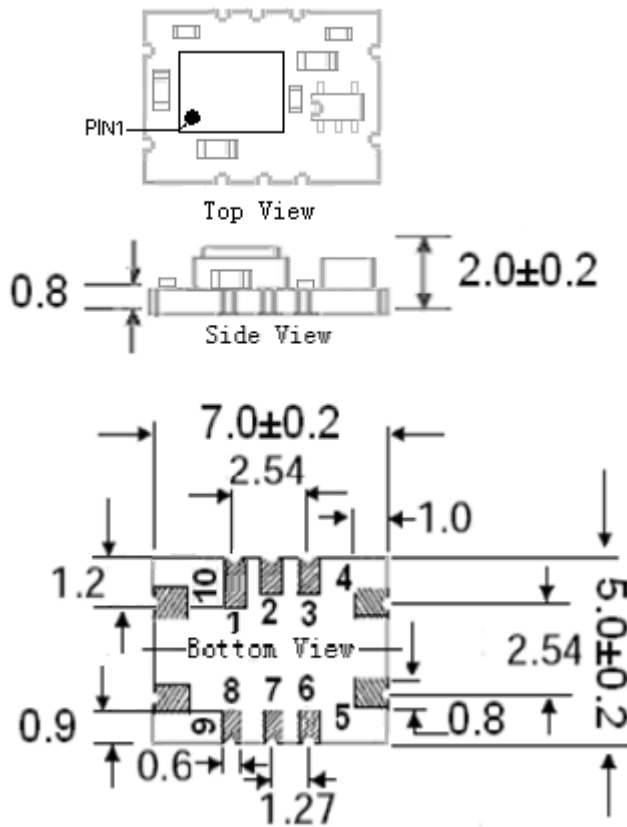
1、Electrical Parameters

| MODEL: T75A-RCAN-20.00MHz | | | | | | |
|---------------------------|---|------------|------|-------|--------|---|
| Item | Description | Parameters | | | Unit | Test Condition |
| | | Min. | Typ. | Max. | | |
| Output | Frequency | 20.00 | | | MHz | |
| | Output Waveform | LVCMOS | | | | |
| | Output Low Voltage | | | +0.4 | V | V _{cc} =3.3V, O _{load} =15pF |
| | Output High Voltage | +2.7 | | | V | V _{cc} =3.3V, O _{load} =15pF |
| | Duty Cycle | 45 | 50 | 55 | % | @50% |
| | Rise / Fall Time (10%~90%) | | 7 | 8 | ns | @25°C |
| | Load | | 15 | | pF | |
| Frequency Stabilities | Frequency Tolerance vs. Operating Temperature Range | -0.28 | | +0.28 | ppm | T _A varied from -5°C to 80°C, measurement referenced to frequency observed with T _A =25°C, V _{cc} =3.3V, O _{load} =15pF |
| | Accuracy Calibration | -4.6 | | +4.6 | ppm | @25°C Temperature -5°C to 80°C, Load:15pF±5%, Reflow Soldering and Ageing 20 years |
| | Frequency Tolerance vs. Load | -0.3 | | +0.3 | ppm | 5% load change measurement referenced to frequency observed with T _A =25°C, V _{cc} =3.3V, O _{load} =15pF |
| | Aging Tolerance Per Day | -0.02 | | +0.02 | ppm | V _{cc} , T _A constant measurement referenced to frequency observed with T _A =25°C, V _{CC} =3.3V, and after 30 days of operation |
| | Aging Tolerance 1 Year | -1 | | +1 | ppm | |
| Power Supply | Current Consumption | | 4 | | mA | @25°C, V _{cc} =3.3V, O _{load} =15pF |
| | Supply Voltage | | +3.3 | | V | unalterable |
| Phase Noise | Phase Noise | | -85 | | dBc/Hz | 10Hz |
| | | | -110 | | | 100Hz |
| | | | -130 | | | 1KHz |
| | | | -140 | | | 10KHz |
| Environmental Conditions | Operable Temperature | -40 | | +85 | °C | |
| | Storage Temperature | -55 | | +125 | °C | |



| | | |
|--|-----------|---|
| | Vibration | 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X ,Y , Z) |
| | Shock | 100g;6ms;half sine wave (3 times for each 3 directions X ,Y, Z),IEC 68-2-27 Test Ea/Severity 50A |
| | Drop | free drop on steel-made surface or rigid, plane from a height of 100cm, IEC 68-2-32 |

2、 Mechanical Structure(mm)



Pad Connections

- 1 N/C
- 2.N/C
- 3.N/C
- 4.GND
- 5.Output
- 6.N/C
- 7.N/C
- 8.Tristate Control *
- 9. +Vdd
- 10. N/C OR GND

Note1: Referential Weight 0.3g

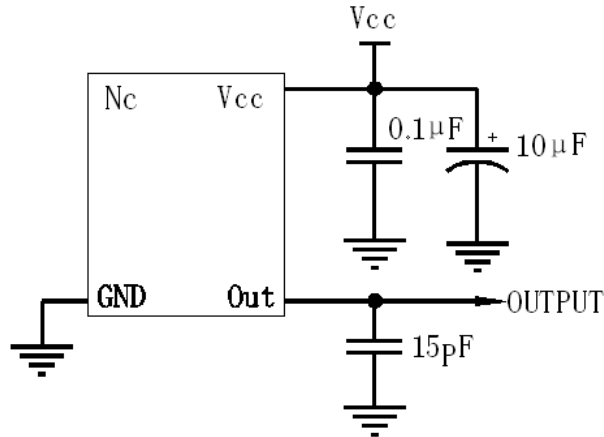
Note2: (1) "1" pin is at right angles to the longest

(2) Enable: "1" or open

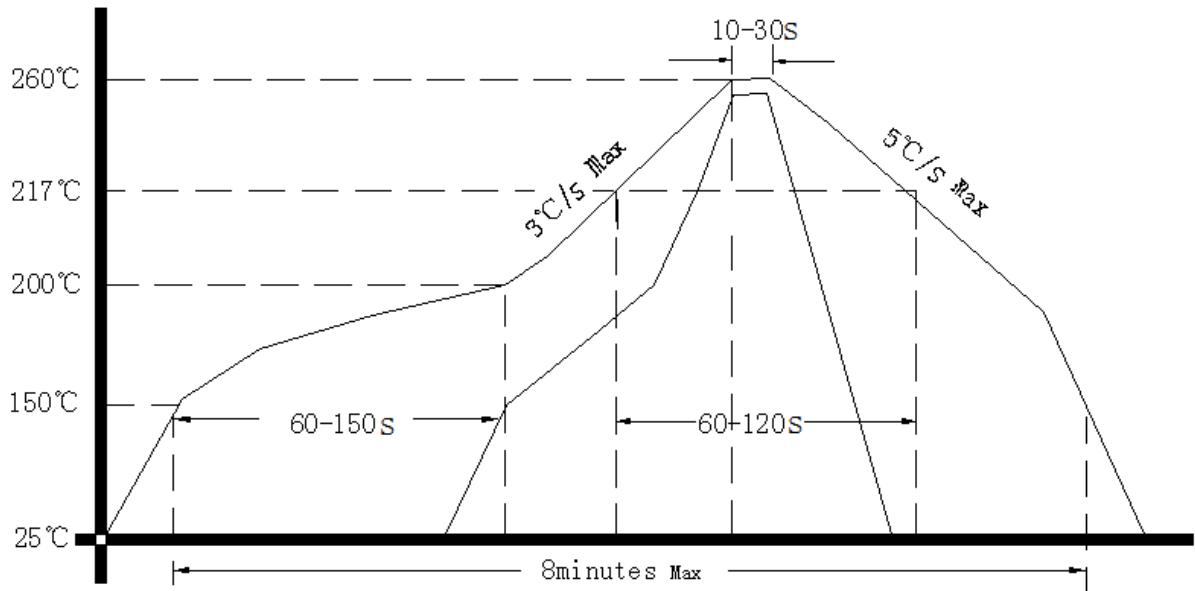
Disable: "0"



3、 Test Circuit



4、 Reflow Soldering Curve (RoHS)



5、 Package: Tape & Reel (mm)

