

Travelling Merchant: _____

DATASHEET

Standard: T75A-ECAN-12.80MHz

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

The parameter of product

MODEL: T75A-ECAN-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	$\leq \pm 2.8 \times 10^{-7}$	@0°C ~ +60°C ref. to 25 °C
2.2. Frequency Stabilities	$\leq \pm 5.0 \times 10^{-7}$	@Temperature, 0 to 60°C, inclusive of Ageing, 24 hours
2.3. Short-time frequency stability	$\leq \pm 5.0 \times 10^{-10}/S$	@Temperature stability, no EMI\EMC or other interference, test after 1hour, ref. to 25 °C, 1s
2.4. Daily fluctation	$\leq \pm 1.0 \times 10^{-7}$	
2.5. Calibration	$\leq \pm 4.6 \times 10^{-6}$	@ 25 °C, Temperature 0°C to 60 °C, Load 15pF $\pm 5\%$, Ageing 20 years

3. Supply Voltage

3.1. Supply Voltage	+3.3VDC (unalterable)
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4. Current

4.1. Input Current	4mA(Typical)
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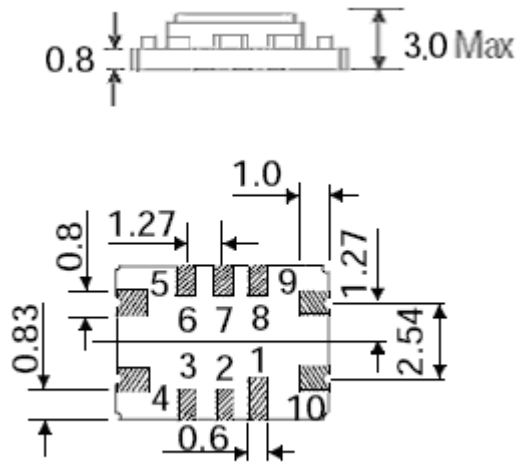
5. Phase Noise (Typical)

5.1. 1KHz	-135dBc/Hz
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6. Environmental conditions

6.1. Operable temperature range	0°C to +60°C
6.2. Storage temperature range	-55°C to +125°C
6.3. Vibration	Test Condition: 1.52mm (amplitude, 5~26Hz), 19.6m/s (26~500Hz), 20 min per 1 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

Note: PCB ceramic substrate

Unit : mm