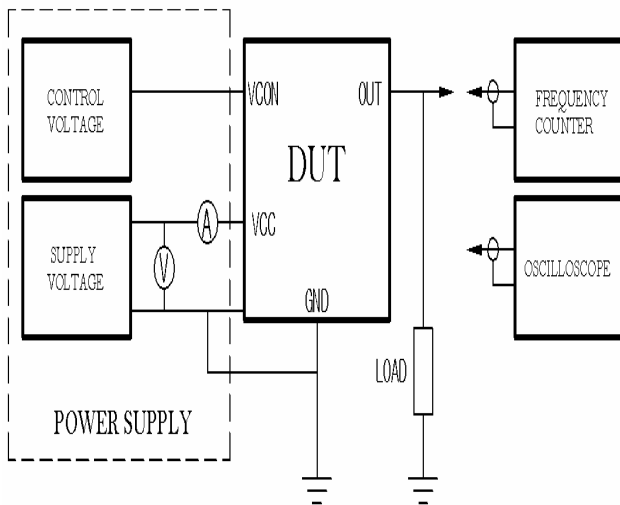


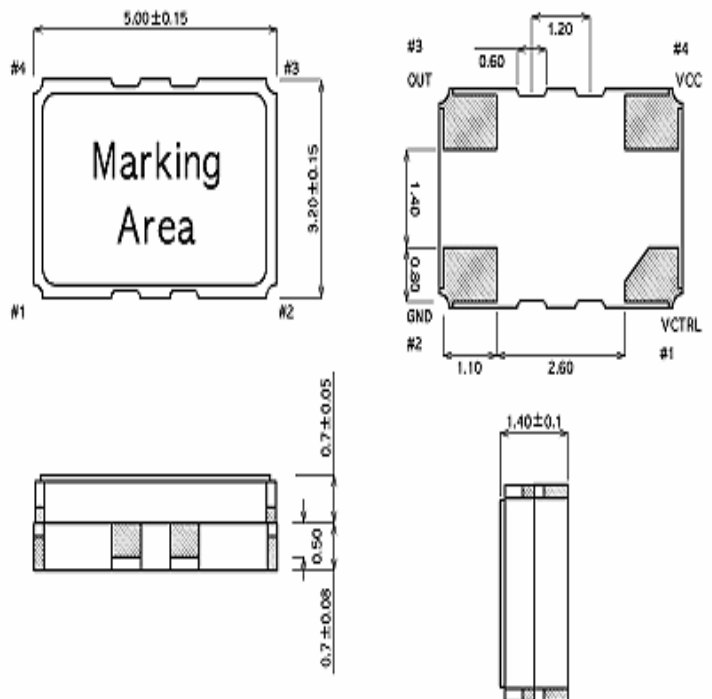
### General Specification

Model		T5DX	VT5DV	UNIT / LIMIT
Frequency Range		10~30MHz		
Applications		TCXO	VCTCXO	
Supply Voltage		Vdd= 2.8V or 3.3V		V ± 5%
Load		10kΩ//10pF		± 10%
Operating Temp.		-40~ 85°C		°C
Frequency Stability	vs. Temp.	± 2.0 ~ ± 5 ppm		Ref to 25°C ± 2°C
	vs. Volt.	± 0.3 / Vcc ± 5%		ppm / max
	vs. Load	± 0.3 / Load ± 10%		ppm / max
	Aging	± 1.0		ppm max / First year
	Tolerance	± 1.0		ppm max/ at 25°C ± 2°C
Output	Level	0.8		Vp-p/min
	Wave Form.	Clipped sine wave		
Start-up Time		10(2~3mS typ)		mS/ max
VT	Frequency Deviation	N.A	± 10.0	ppm/ min
	Control Voltage(Vcon)	N.A	1.5±1.0	V
Phase noise(Typical)		100Hz	1KHz	100KHz
		-110dBc/Hz	-130dBc/Hz	-140dBc/Hz

#### TEST CIRCUIT



#### DIMENSION



#### PIN CONNECTION

PIN	T5DX	VT5DV
1	N/C	Vc
2	Ground	Ground
3	Output	Output
4	Vcc	Vcc

UNIT : mm

TOLERANCE UNLESS OTHERWISE SPECIFIED : ± 0.3

## Ordering Guide

Typical P/N : VT5DV - 10M - 4 - 25 - D - a - 5 - TR

#1	#2	#3	#4	#5	#6	#7	#8
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### #1.MODEL(5.0x3.2 mm 4pad)

T5DX : TCXO

VT5DV : VCTCXO

### #2. FREQUENCY

XX.xxxM-Nominal Frequency (MHZ)

### #3.INPUT VOLTAGE

1 : Vcc= 2.5V

2 : Vcc=2.8V

3 : Vcc=3.0V

4 :Vcc=3.3V

### #4.FREQUENCY STABILITY

10 :±1.0ppm max

15 :±1.5ppm max

20 :±2.0ppm max

25 :±2.5ppm max

30 :±3.0ppm max

50 :±5.0ppm max

00 :others (ex: 10.0ppm max ▶ 100 )

### #5. Operating Temperature Range

A : 0℃ ~ 50℃

B : -10℃ ~ 60℃

C : -20℃ ~ 70℃

D : -30℃ ~ 75℃

E : -40℃ ~ 85℃

### #6. Output Load

a : 10kΩ//10pF

b : 15pF

c: others

### #7.Frequency Deviation

Blank : No Connection ( TCXO)

5 : ±5ppm min

10 : ±10ppm min

### #8.Packing Method

TR : Tape & Reel

BU : Bulk

TU : TUBE