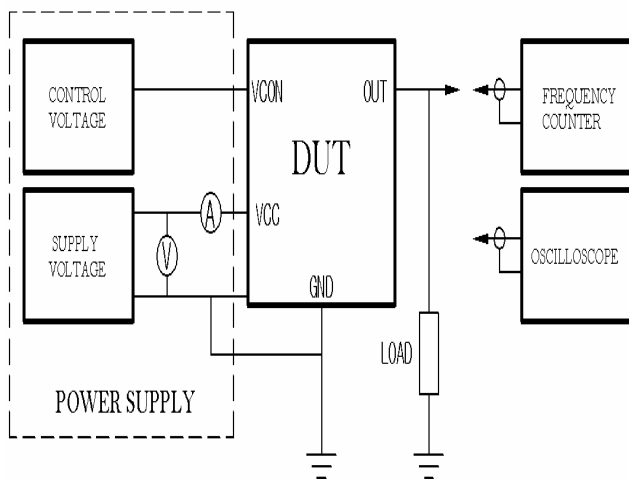


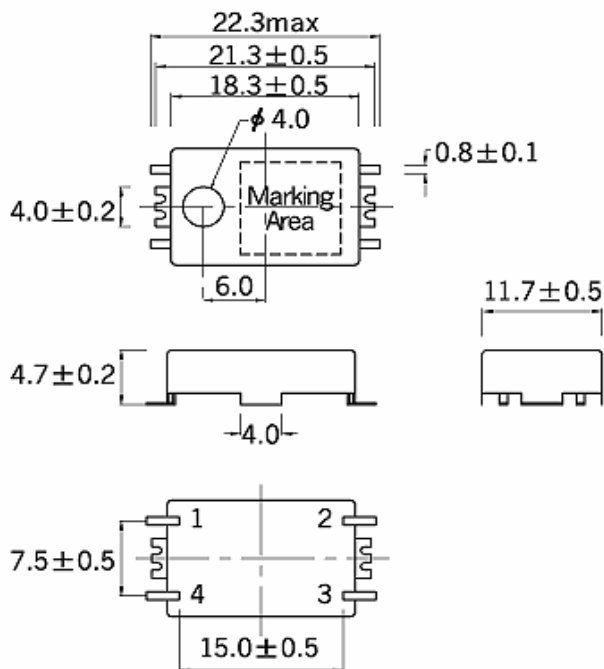
### General Specification

Model		T4E6	T4E2	UNIT / LIMIT
Frequency Range		12~30MHz	2~30MHz	
Applications		TCXO		
Supply Voltage		Vdd= 5.0V		
Load		10kΩ//10pF	15pF	± 10%
Operating Temp.		-30~0°C to 50~75°C		
Frequency Stability	vs. Temp.	± 2.0 ~ ± 10 ppm		Ref to 25°C ± 2°C
	vs. Volt.	± 0.5 / Vcc ± 5%		ppm / max
	vs. Load	± 0.2 / Load ± 10%		ppm / max
	Aging	± 1.0		ppm max / First year
	Tolerance	± 0.5		ppm max/ at 25°C ± 2°C
Output	Level	5.0Vcc > 1.0	HCMOS / TTL	Vp-p / min
	Wave Form.	Clipped sine wave	Retangular	
Supply Current		5.0Vcc > 2.0	20 max	mA / max
Frequency Adj.		± 3.0 (by internal trimmer)		ppm / min
<b>Voltage Control + TCXO(Same Above Charcateristic )</b>				
Model		VT4E6	VT4E2	UNIT / LIMIT
Applications		VTCXO		
VT	Supply Voltage (Vdd)	5.0V ± 5%		
	Control Voltage (Vcon)	Freq. DEV.	± 5.0 ~ ± 20ppm	
		Volt.	2.5 ± 2.0	

#### TEST CIRCUIT



#### DIMENSION



UNIT : mm

TOLERANCE UNLESS OTHERWISE SPECIFIED : ± 0.3

#### PIN CONNECTION

PIN	T4E2/T4E6	VT4E2/E6
1	N/C	Vc
2	Ground	Ground
3	Output	Output
4	Vcc	Vcc

### Ordering Guide

Typical P/N : VT - 4E6 - 10M - 4 - 25 - D - a - 5 - BU

#1	#2	#3	#4	#5	#6	#7	#8	#9
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#### #1. TYPE

T-TCXO

VT-VCTCXO

#### #2. MODEL (22.3x11.7 mm 4pin Gull-wing)

4E6 : Clipped Sine

4E2 : TTL/HCMOS

#### #3. FREQUENCY

XX.xxxM-Nominal Frequency (MHZ)

#### #4. INPUT VOLTAGE

1 : Vcc= 2.5V

2 : Vcc=2.8V

3 : Vcc=3.0V

4 : Vcc=3.3V

5 : Vcc=5.0V

#### #5. 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 )

#### #6. Operating Temperature Range

A : 0°C ~ 50°C

B : -10°C ~ 60°C

C : -20°C ~ 70°C

D : -30°C ~ 75°C

E : -40°C ~ 85°C

#### #7. Output Load

a : 10kΩ//10pF

b : 15pF

c : others

#### #8. Frequency Deviation

Blank : No Connection ( TCXO)

5 : ±5ppm min

10 : ±10ppm min

#### #9. Packing Method

TR : Tape & Reel

BU : Bulk

TU : TUBE

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