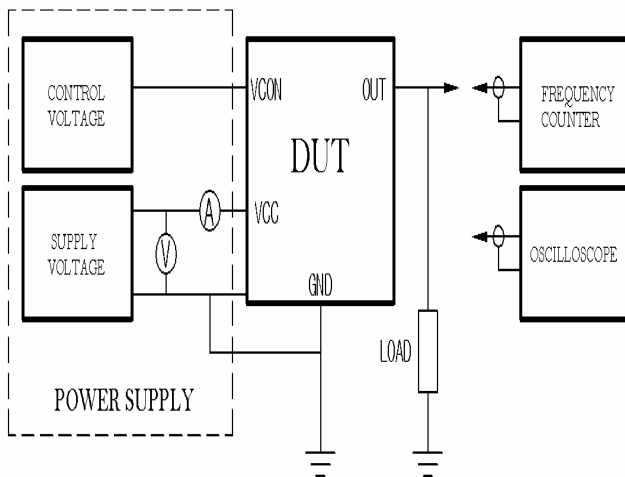


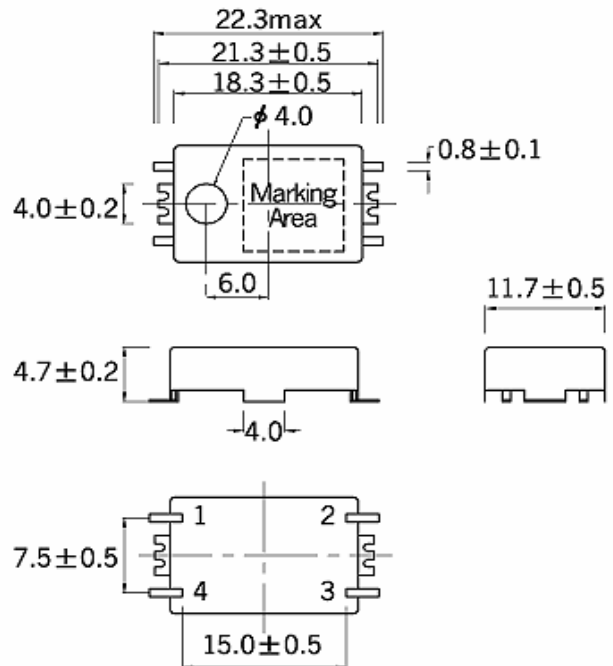
### General Specification

Model		T4E6	T4E2	UNIT / LIMIT
Frequency Range		12~30MHz	2~30MHz	
Applications		TCXO		
Supply Voltage		Vdd= 5.0V		
Load		10kΩ//10pF	15pF	V±5%
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/ at25°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



#### PIN CONNECTION

PIN	T4E2/T4E6	VT4E2/E6
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 : 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℃ ~ 50℃  
 B : -10℃ ~ 60℃  
 C : -20℃ ~ 70℃  
 D : -30℃ ~ 75℃  
 E : -40℃ ~ 85℃

**# 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