



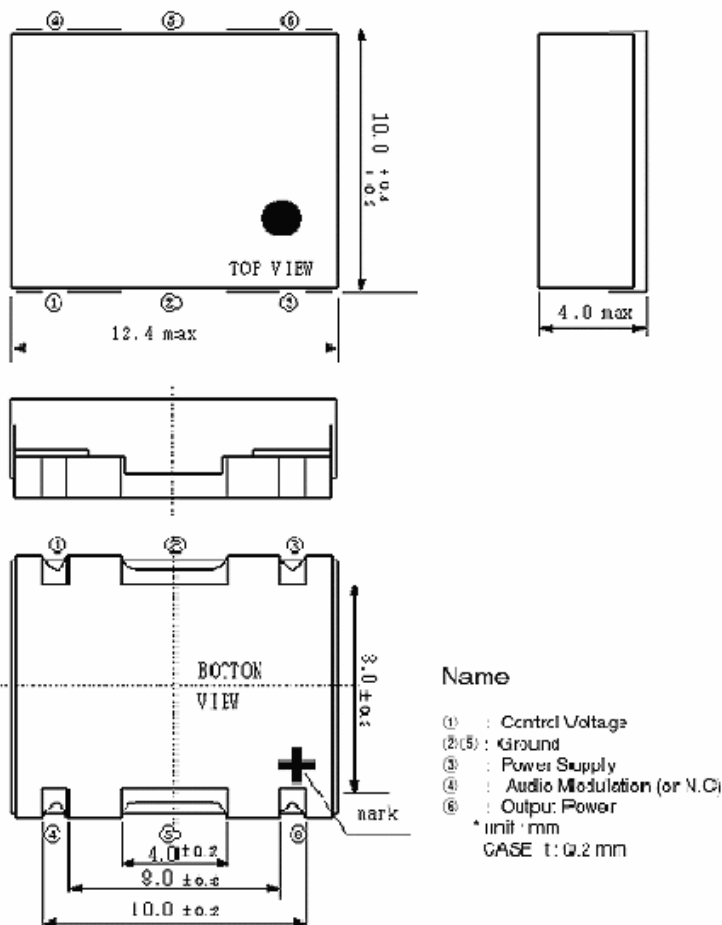
# VCO - Voltage controlled oscillator

## Specifications

Parameters	Standard
Frequency range	up to 4,0 GHz
Operating temperature	0° C ~ +70° C // -40° ~ +85° C
Supply voltage	+ 3,3 V ~ 20 V
Tuning voltage range	+ 0,3 V ~ 20 V
Output level	0 ~ 10 dBm
Control voltage Sensitivity	1 ~ 250 MHz / V
Phase noise	10 kHz offset : -110 dBc /Hz typical
Wave form	Sinewave
Package	M - type P - type V - type

## Drawing

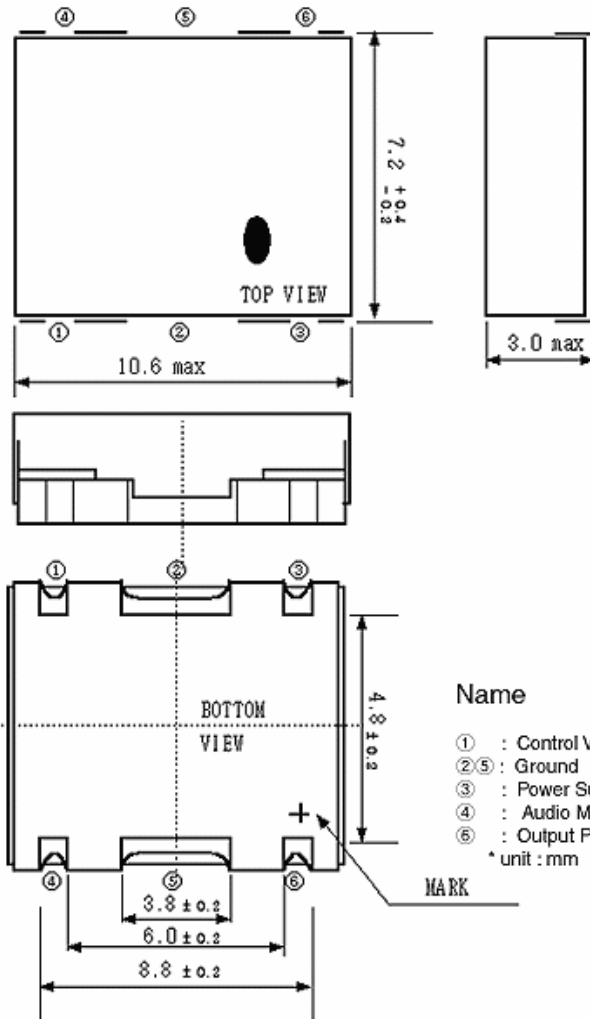
### M - type



# VCO - Voltage controlled oscillator

## Drawing

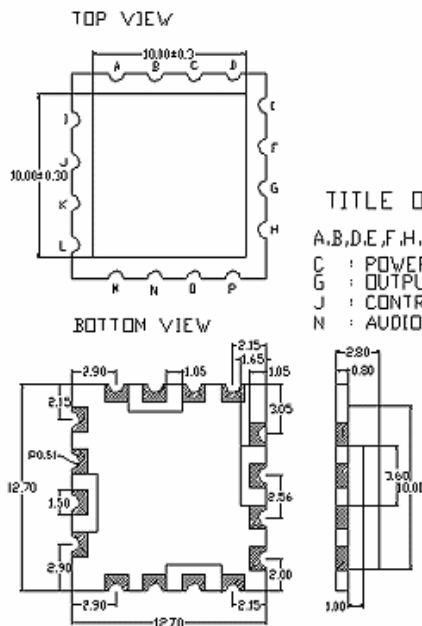
P - type



Name

- ① : Control Voltage
  - ②⑤ : Ground
  - ③ : Power Supply
  - ④ : Audio Modulation
  - ⑥ : Output Power
- \* unit : mm

V - type



TITLE OF TERMINAL

- A,B,D,E,F,H,J,K,L,M,O,P : GROUND
- C : POWER SUPPLY
- G : OUTPUT POWER
- J : CONTROL VOLTAGE
- N : AUDIO MODULATION (OR N.C)

\* UNIT : mm  
CASE t : 0.15 mm