

# TCXO-DIP8-1



## APPLICATIONS

- Time base/ Measuring instruments
- Power equipment
- Base stations/ Network equipment

## FEATURE

- 1MHz to 60MHz
- Wide frequency range
- High Stability

- Low phase noise
- VC-TCXO for options

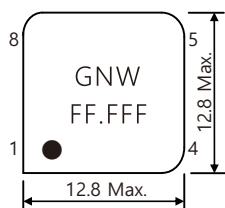


## Electrical Specifications 电气参数

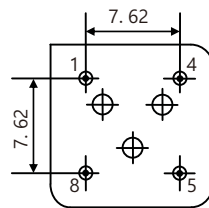
| 项目              | Electrical Specifications                                   |               |             |
|-----------------|---|---------------|-------------|
| 频率范围            | 1MHz to 60MHz   |               |             |
| 频率初始稳定度         | ≤±0.5ppm(25°C±3°C)  |               |             |
| 工作温度            | -20°C~+70°C   | -30°C~+75°C   | -40°C~+85°C |
| 频率温度稳定度         | ≤±0.5PPM  | ≤±1PPM        | ≤±1.5PPM    |
| 工作电压            | 3.3±5% V  | 5±5% V        | 12±5% V     |
| 消耗电流            | ≤30mA   | ≤50mA         | ≤80mA       |
| 启动时间            | 5ms max.  |               |             |
| 输出特性            | 方波  | 正弦波           |             |
|                 | Load:15PF,duty:50±5%<br>VOL: 10%Vcc max. / VOH: 90%Vcc min. | 50Ω<br>Vpp≥1V |             |
| 相噪特性<br>(20M典型) | 典型值   |               |             |
|                 | -120 dbc/Hz   | 100Hz         |             |
|                 | -138 dbc/Hz   | 1KHz          |             |
|                 | -150 dbc/Hz   | 10KHz         |             |
|                 | -155 dbc/Hz   | 100KHz        |             |
|                 | -165 dbc/Hz   | 1MHz          |             |
| 尺寸 (mm)         | 12.8×12.8×5.4   |               |             |
| 频率调节            | 机械调   | 电调 (VC)       |             |
|                 | ≥5PPM   | ≥8PPM         |             |
| 储存温度范围          | -40°C ~ +125°C  |               |             |
| 年老化率            | 第1年   | 10年           |             |
|                 | ≤1PPM   | ≤5PPM         |             |

## Mechanical Dimensions 外型尺寸

Units:mm

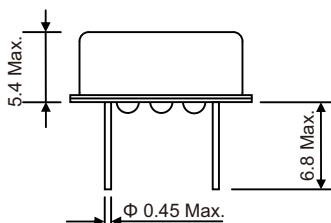


Top View



Bottom View

| Pin | Connection |      |
|-----|------------|------|
|     | VC-TCXO    | TCXO |
| #1  | Vcont      | N.C. |
| #4  | GND        |      |
| #5  | Output     |      |
| #8  | Vcc        |      |



Side View