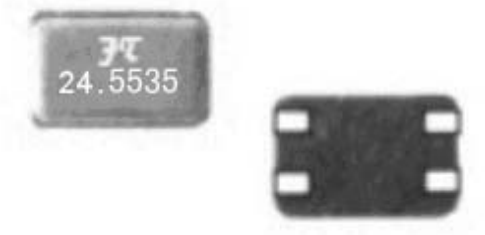
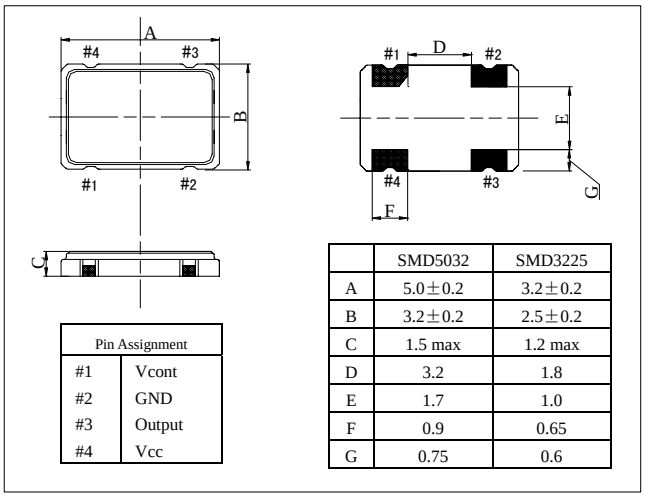
RoHS Products

## VCTCXO FOR MOBILE PHONE 手机用温补晶体振荡器

### FVTO321S/FVTO531S TYPE




### ★ DIMENSIONS (Unit: mm) 外形尺寸




| Pin Assignment | |
|---|---|
| #1 | Vcont |
| #2 | GND |
| #3 | Output |
| #4 | Vcc |

| | SMD5032 | SMD3225 |
|---|---|---|
| A | 5.0±0.2 | 3.2±0.2 |
| B | 3.2±0.2 | 2.5±0.2 |
| C | 1.5 max | 1.2 max |
| D | 3.2 | 1.8 |
| E | 1.7 | 1.0 |
| F | 0.9 | 0.65 |
| G | 0.75 | 0.6 |

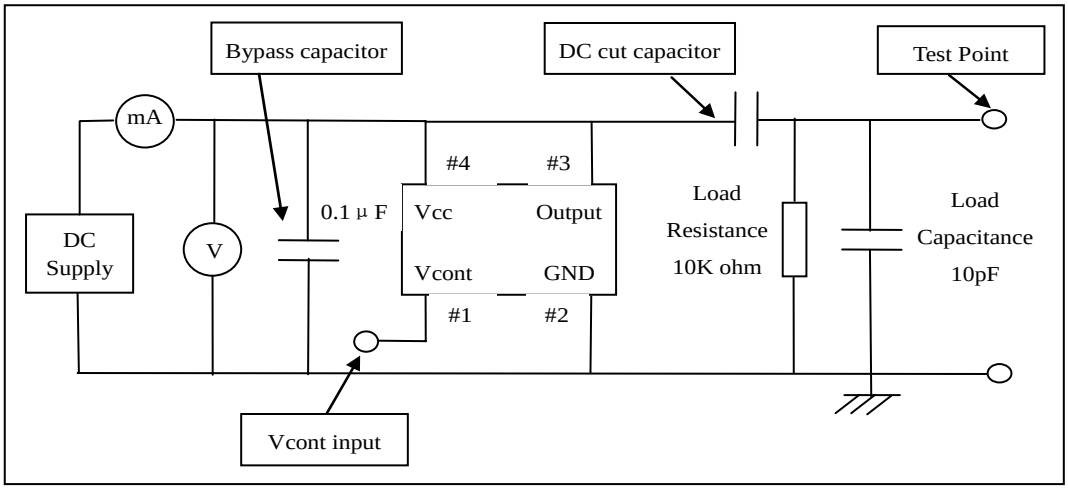
### ★ PARAMETERS 技术参数

| PARAMETER | 参数 | SPECIFICATION 规格 | CONDITION 条件 |
|---|---|---|---|
| Frequency Range | 频率范围 | 13MHz /19.2MHz/ 26MHz | |
| Supply voltage | 工作电压 Vcc | 2.4～3.0V | |
| Control voltage | 控制电压 | 0～Vcc | |
| Output Waveform | 输出波形 | Clipped Sine Wave | ` |
| Output Level | 输出幅度 | 0.8 Vp-p | |
| Input Current | 输入电流 | 1.5 mA Max | |
| Operating Temp. Range | 工作温度范围 | -30～+75℃ | |
| Storage Temp. Range: | 储存温度范围 | -40～+85℃ | |
| Frequency Adjustment | 频率调节 | +10～+20ppm<br>-10～-20ppm | Referenced to Vcont=1.1V<br>Vcont+1.0V<br>Vcont-1.0V |
| Frequency Tolerance | 频率偏差 | ±2.5ppm Max | 25℃, After Reflow |
| Frequency Stability | 频率稳定度 | | |
| vs. Temperature | vs.温度 | ±2.5ppm Max | Referenced to the mid point between min. and max. frequency |
| vs. Supply Voltage | vs.工作电压 | ±0.3ppm Max | Vcc±5% |
| vs. Load | vs.负载 | ±0.2ppm Max | 10KΩ//10pF±10% |
| vs. Aging | vs.老化 | ±1.0ppm Max | 1 Year |
| | | | |
| Start Up Time | 起振时间 | 4 msec Max | <±2.5ppm |
| Phase Noise | 相位噪声 | | |
| | | -110 dBc/Hz Max | 100 Hz offset |
| | | -130 dBc/Hz Max | 1K Hz offset |

F VTO 26.000 B A C 2.8 SM5S

- Fronter
- TCXO
- Frequency
- Frequency Tolerance
  A=1.5ppm
  B=2.5ppm
  C=5.0ppm
- Frequency Stability
  A=0.5ppm
  B=1.0ppm
  C=2.5ppm
- Temperature Range
  A=0～+70℃
  B=-20～+70℃
  C=-30～+85℃
- Input Voltage
  2.4=2.4V
  2.8=2.8V
  3.0=3.0V
- Package:SMD3225
  SMD5032

### ★ TEST CIRCUIT 测试原理图




⊙ *All specification subject change without notice. 规格变化，恕不另行通知。*

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