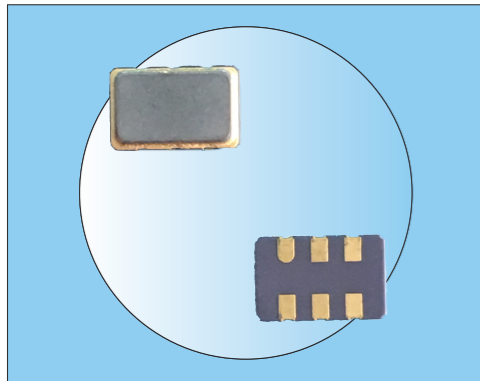


# Crystal Oscillators

## Voltage Controlled Crystal Oscillator/SMD5032



### Features

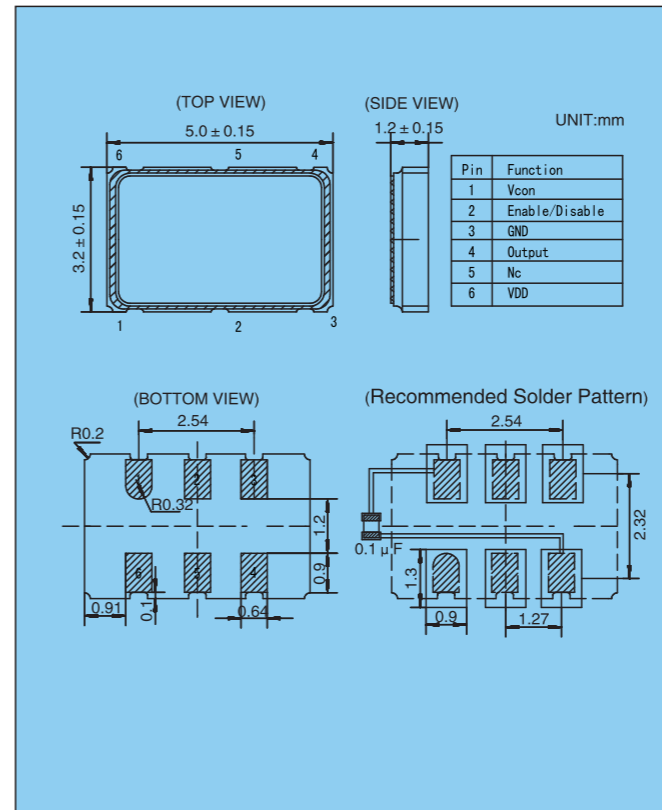
- JYEG part number :JYVCD5
- 3.3V supply voltage
- CMOS/TTL output
- Tri-state function available
- Tape and reel available

### TYPICAL SPECIFICATIONS

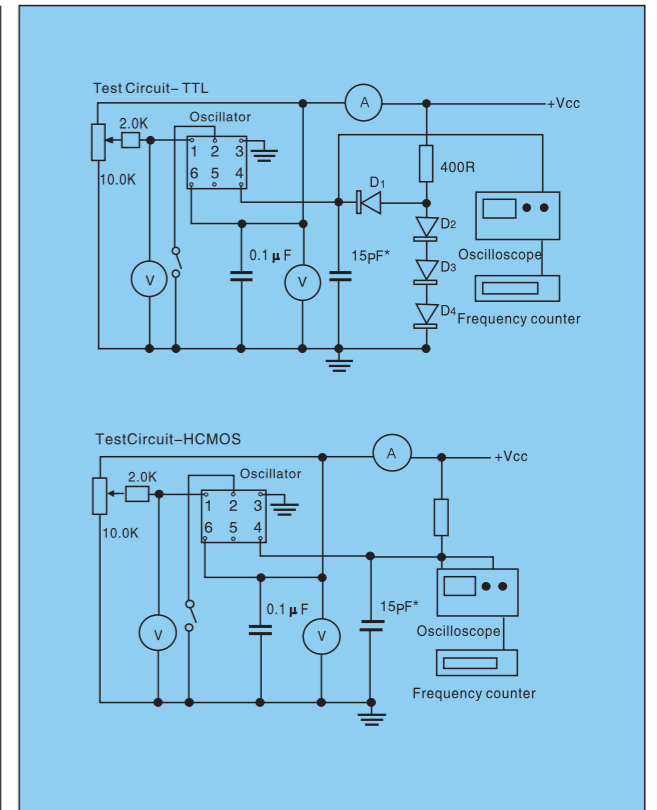
| Type                        | VCXO SMD5032  |                         |
|-----------------------------|---|-------------------------|
| Frequency Range             | 1.544MHz~170.000MHz(AT1)  |                         |
| Frequency Stability         | $\geq \pm 25\text{ppm}/\geq \pm 35\text{ppm}/\geq \pm 50\text{ppm}$   |                         |
| Operating Temperature Range | $-20^{\circ}\text{C}\sim 70^{\circ}\text{C}/-40^{\circ}\text{C}\sim 85^{\circ}\text{C}/-40\sim 105^{\circ}\text{C}$ |                         |
| Output Load                 | 1~5TTL / CMOS 30PF MAX  |                         |
| Input Current               | $\leq 25\text{mA}$  |                         |
| Supply Voltage              | $3.3\text{V} \pm 10\%$  |                         |
| Start-up Time               | 3ms Max   |                         |
| Duty Cycle                  | 40%~60% Normal, 45%~55% Tight   |                         |
| Rise/Fall Time              | 5ns Max   |                         |
| Pulling Range               | 1.544~80.000MHZ   | $\pm 100\text{PPM Min}$ |
|                             | >80MHZ  | $\pm 60\text{PPM Min}$  |
| Control Voltage Range       | 0~3.3V  |                         |
| Linearity                   | 10% Max   |                         |
| Output "0" Level            | TTL   | CMOS                    |
|                             | 0.4V Max  | 10%VDD Max              |
| Output "1" Level            | TTL   | CMOS                    |
|                             | 2.4V Min  | 90%VDD Min              |
| Tri-state                   | Pin2:0.7 VDD Min(High)or open,Output:Enable   |                         |
|                             | Pin2:0.3 VDD Max(Low),Output:Disable  |                         |
| RMS Jitter(12khz~20MHz)     | 1.0ps Max   |                         |
| Aging                       | $\pm 3\text{ppm/year Max}$  |                         |
| Storage Temperature Range   | $-55^{\circ}\text{C}\sim 125^{\circ}\text{C}$   |                         |

# Crystal Oscillators

## VCXO SMD5032(JYVCD5)



## TEST CIRCUIT



## TAPE AND REEL DIMENSIONS

