



PRODUCTS

Voltage Controlled Crystal Oscillator (SMD)

Typical Applications:

- Video Decoding
- Wireless Base Station
- VoIP
- Set-top Box

VS70 (SMD VCXO Series)

Part Number: VS70(Waveform)(ppm)-Temp Range-Pull-Freq

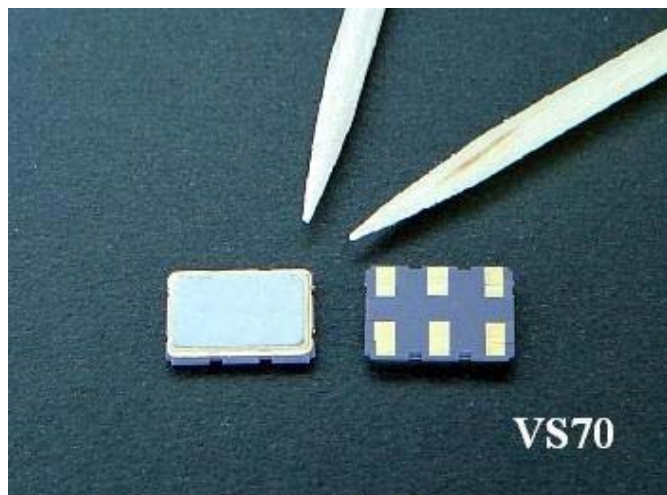
Example: VS70H50-0070-100-35.328

Specification

VS70

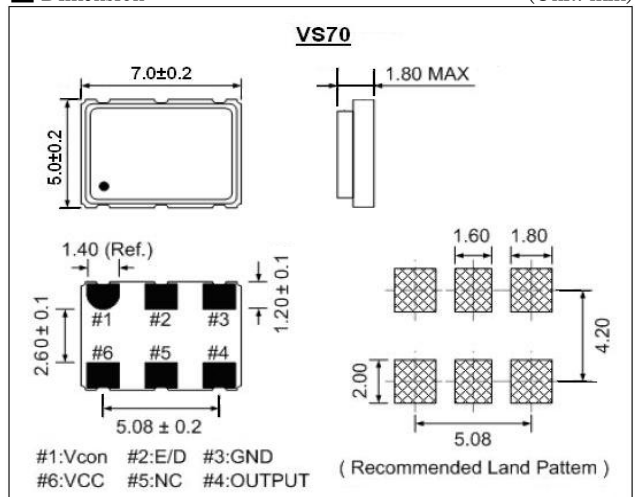
| Part No. | Example |
|--|-------------------------|
| VS70(Waveform)(ppm)-Temp Range-Pull-Freq | VS70H50-0070-100-35.328 |

| Specification | VS70 | |
|-------------------------------|-------------------------------|------------------|
| Output Waveform | TTL / HCMOS | |
| Frequency Range | 1.75 to 45.0MHz | |
| Frequency Tolerance (At 25°C) | ±15ppm | |
| Temperature Stability | vs Operating Temp. | ±15 to ±50ppm |
| | vs Supply Change | ±5ppm (Vcc±5%) |
| | vs Load | ±3ppm (15pF±10%) |
| Pullability | ±50 to ±200ppm | |
| Control Voltage Range | 0 to 3.3V | 0.5 to 4.5V |
| Operating Temperature Range | 0°C to +70°C / -40°C to +85°C | |
| Storage Temperature Range | -55°C to +125°C | |
| Aging | ±5ppm/year Max. | |
| Supply Voltage (Vcc) | +3.3V±5% | +5.0V±5% |
| Supply Current | 30mA Max | |
| Symmetry | 40/60% or 45/55 % | |
| Rise and Fall Time | 8ns Max. | 10ns Max. |
| Output Voltage | VOL | 10% Vcc Max |
| | VOH | 90% Vcc Min |
| Output Load | 15pF Max. | |



Dimension

(Unit: mm)



OSCILLATOR