



Halogen Free

**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

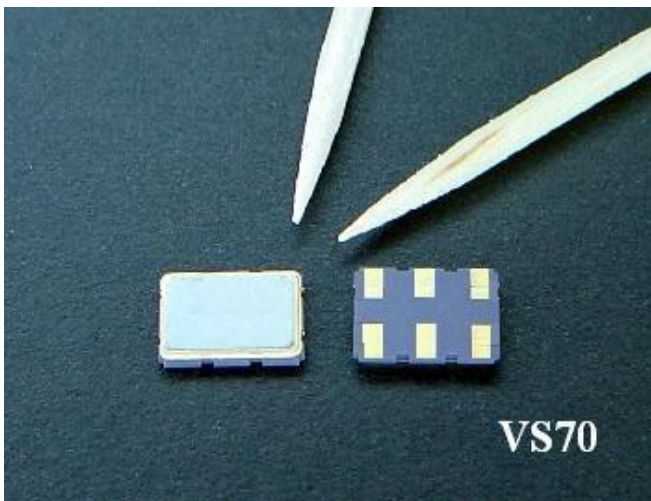
**Specification**

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.	

OSCILLATOR



**Dimension**

(Unit: mm)

