

## SMD CRYSTAL OSCILLATOR

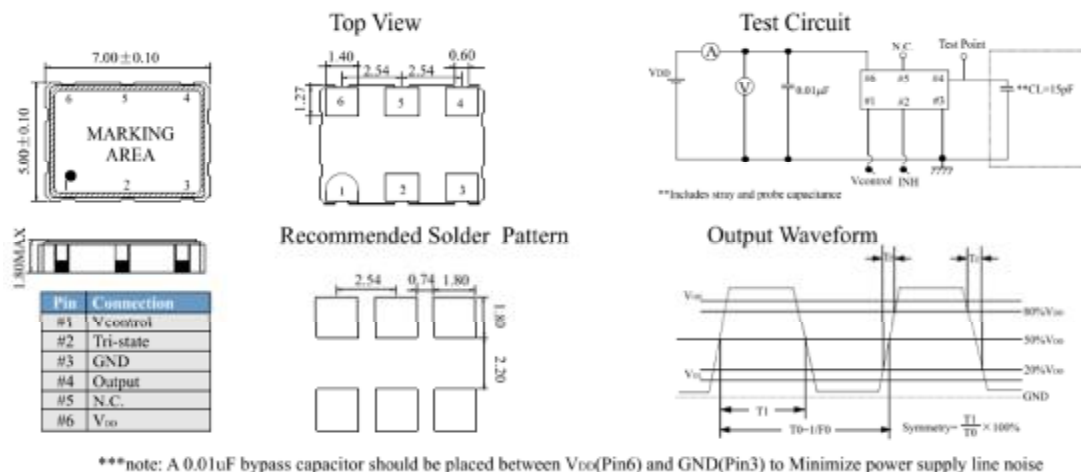
7.0\*5.0 VCXO

- Very compact and thin(7.0\*5.0\*1.8mm MAX)
- Frequency range of 1M~200M
- TTL/HCMOS Compatible
- Tight tolerance performance with voltage IC control Designed primarily for use in phase locked loops, phase shift keying and other telecommunication applications such as ADSL, set-top box, and base stations etc.

Frequency Range*	F0	1.75~54MHz		50~200MHz
Frequency Calibration	At 25°C	±15ppm		
Temperature Stability	Over T <sub>OR</sub>	±15ppm, ±25ppm, ±50ppm		
Stability vs. power change	V <sub>DD</sub> ±5%	±5ppm		
Stability vs. load change	15pF±10%	±3ppm		
Pullability	Over Control Voltage Range	±100ppm, ±200ppm	±100ppm, ±150ppm	
Control Voltage Range		0.5~4.5V	0~3.3V	0~3.3V
Operating Temperature Range	T <sub>OR</sub>	-20°C~+70°C(-40°C~+85°C option)		
Storage Temperature Range	T <sub>SR</sub>	-55°C~+125°C		
Power Supply Voltage	V <sub>DD</sub>	5.0V±5%	3.3V±5%	3.3V±5%
Aging (First Year)	25°C±3°C	±2ppm		
Supply Current	I <sub>DD</sub>	30mA Max		40mA Max
Output Symmetry	Sym	At 1/2V <sub>DD</sub> 40/60%(45/55% Option)		
Rise time	T <sub>r</sub>	20%V <sub>DD</sub> ~80%V <sub>DD</sub>	8nS Max	10nS Max
Fall Time	T <sub>f</sub>	80%V <sub>DD</sub> ~20%V <sub>DD</sub>	8nS Max	10nS Max
Output Voltage	V <sub>OH</sub>	90% V <sub>DD</sub> min		
	V <sub>OL</sub>	10% V <sub>DD</sub> max		
Output Load		15pF Max		
Start-up Time	T <sub>s</sub>	10mS Max		
Pin 2, tri-state function		Pin 2=H or open...Output active at pin 4 Pin 2=L.....high impedance at pin 4		

## CRYSTAL OSC SMD 7.0\*5.0 VCXO DIMENSION

PACKAGE DIMENSIONS:Unit: mm





TSC HUBEI JINGMAO ELECTRONICS CO., LTD.

湖北晶茂电子科技有限公司