

# Crystal Oscillator

## OSC SMD7050



### Applications

- PC Main board / VGA card / DVD / DVC / DSC / Printer / Scanner / Game Console

### Features

- Low height ceramic package / Dimensions (7.0 × 5.0 × 1.4)
- CMOS / TTL Output with Tri-state function



### Electrical Specifications

Item / Type			
Output Type	CMOS		
Output Load	15 pF	15 pF , 30 pF	15 pF , 50 pF
Oscillation Mode	Fundamental / 3rd Overtone		
Supply Voltage	1.8 V	2.5 V , 2.8 V , 3.3 V	5 V
Frequency Range	1 ~ 170 MHz		
Frequency Stability	± 50 ppm (-10 ~ + 70 °C), or specify		
Operating Temperature Range	- 40 ~ + 85 °C		
Storage Temperature Range	- 55 ~ + 125 °C		
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD		
Rise (Tr) / Fall (Tf) Time	10 ns (1 ~ 10 MHz) , 7 ns (20 ~ 50 MHz) , 5 ns (> 50 MHz) Max.		
Supply Current	20 mA Max.		
Symmetry	40 ~ 60 %		
Start-up Time	10 ms Max.		
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.		
Aging (at 25 °C)	± 3 ppm / year Max.		

### Dimensions

