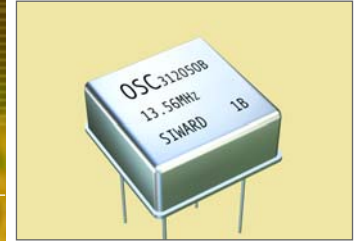


OSC31, OSC11

CLOCK OSCILLATOR

DIP



TYPICAL APPLICATIONS

PC main board, VGA card

DIMENSION

OSC31: 13.2 x 13.2 x 5.08[mm]
OSC11: 20.8 x 13.2 x 5.08[mm]

TYPICAL SPECIFICATIONS

Nominal frequency range	1 ~ 110MHz	1 ~ 125MHz
Frequency stability	$\pm 25 \times 10^{-6}$, $\pm 50 \times 10^{-6}$, $\pm 100 \times 10^{-6}$	
Temperature range(°C)	0 ~ +70°C	
Operating Storage	-55 ~ +125°C	
Power Supply Voltage (Vdd)	+5V(±5%)	+3.3V(±5%)
Current consumption	15mA Max.: 1 ~ 21.9MHz	10mA Max.: 1 ~ 21.9MHz
	30mA Max.: 22 ~ 49.9MHz	20mA Max.: 22 ~ 49.9MHz
	40mA Max.: 50 ~ 70MHz	25mA Max.: 50 ~ 70MHz
	60mA Max.: 70 ~ 79.9MHz	35mA Max.: 70 ~ 79.9MHz
	70mA Max.: 80 ~ 110MHz	45mA Max.: 80 ~ 125MHz
Output	TTL-CMOS (See Table A)	

TABLE A

Output level	CMOS		TTL
Load	15pF		2TTL or 5TTL or 10TTL
Output voltage	"0" level	VOL : 0.1Vdd Max.	VOL : 0.4V Max.
	"1" level	VOH : 0.9Vdd Min.	VOH : 2.4V Min.
Rise & fall time	10ns Max. : F≤40MHz		10ns Max. : F≤40MHz
	6ns Max. : F>40MHz		6ns Max. : F>40MHz
	(at 10%~90% Vdd)		(at 0.4~2.4 VDC)
Symmetry	45~55% at 50% Vdd F≤69.9MHz		40~60% at +1.4V
	40~60% at 50% Vdd F>70MHz		40~60% at +1.4V

* Please consult with us for other specification.

OUTLINE DIMENSIONS

Unit:mm

