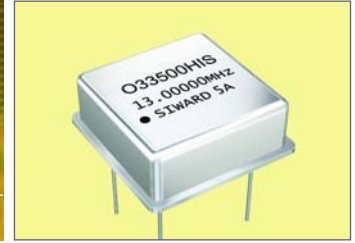


OSC31, OSC11

CLOCK OSCILLATOR

DIP



TYPICAL APPLICATIONS

Palmtop Computer, Portable Application, PCMCIA Cards Disc Drives

FEATURES

Metal Package, DIP Type, Lead-free Design, High Performance, CMOS & TTL Compatible, RoHS Compliant Standard



DIMENSION

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

TYPICAL SPECIFICATIONS

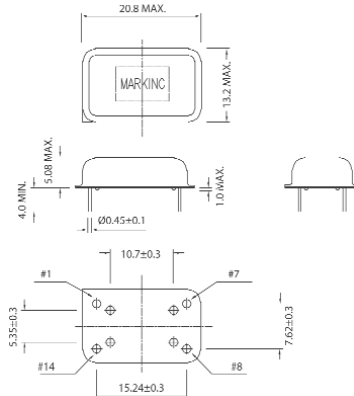
Model		OSC31, OSC11		
Nominal Frequency Range		1 ~ 110MHz	1 ~ 125MHz	
Standard Frequency		2.048, 10, 25, 40, 50, 125MHz		
Frequency Stability		±25 ppm, ±50 ppm, ±100 ppm		
Aging (+25°C)		±5 ppm / year Max.		
Temperature Range	Operating	0°C ~ +70°C		
	Storage	-55°C ~ +125°C		
Power Supply Voltage(VDC)		+5V(±5%)	+3.3V(±5%)	
Current Consumption		15mA Max.: 1 ~ 21.9MHz 30mA Max.: 22 ~ 49.9MHz 40mA Max.: 50 ~ 70MHz 60mA Max.: 70 ~ 79.9MHz 70mA Max.: 80 ~ 110MHz	10mA Max.: 1 ~ 21.9MHz 20mA Max.: 22 ~ 49.9MHz 25mA Max.: 50 ~ 70MHz 35mA Max.: 70 ~ 79.9MHz 45mA Max.: 80 ~ 125MHz	
Output		TTL-CMOS(See Table A)		
Output	Load	15pF	2TTL or 5TTL or 10TTL	
	Level	CMOS	TTL	
	Symmetry	45~55% @ 50% Vcc F≤69.9MHz 40~60% @ 50% Vcc F>70MHz	40~60% @ +1.4V	
	Rise & Fall Time	10ns Max. : F≤40MHz 6ns Max. : F>40MHz (@ 10%~90% Vcc)	10ns Max. : F≤40MHz 6ns Max. : F>40MHz (@ 0.4~2.4 VDC)	
	Voltage "0" level	Vol	: 0.1Vcc Max.	: 0.4 Vcc Max.
		"1" level	Voh	: 0.9Vcc Min.
Period Jitter RMS		5ps Max.		
Phase Jitter RMS		1ps Max. Fj=12k~20MHz		

TABLE A

Please consult with our sales department for other parameters.

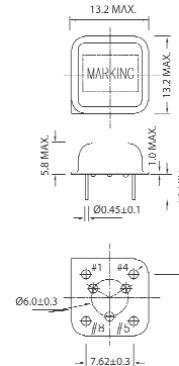
OUTLINE DIMENSIONS
Unit:mm

OSC-11



PIN NO	CONNECTION
# 14	+Vcc
# 8	OUTPUT
# 7	GND
# 1	N.C. (INH)

OSC-31



PIN NO	CONNECTION
# 8	+Vcc
# 5	OUTPUT
# 4	GND
# 1	N.C. (INH)

All specifications are subject to change without notice.