

# OSC91

CRYSTAL OSCILLATOR

SMD



**TYPICAL APPLICATIONS**

PC Mainboard, VGA Card, DVD, DVC, DSC, Printer, Scanner, Game Machine

**FEATURES**

Ultra thinner, Ceramic SMD Package, Seam Sealed, Lead-free Design, Wild Operating Temperature, Low Current Consumption, Tri-State Option, RoHS Compliant Standard

**DIMENSION**

2.5 x 2.0 x 0.8[mm]

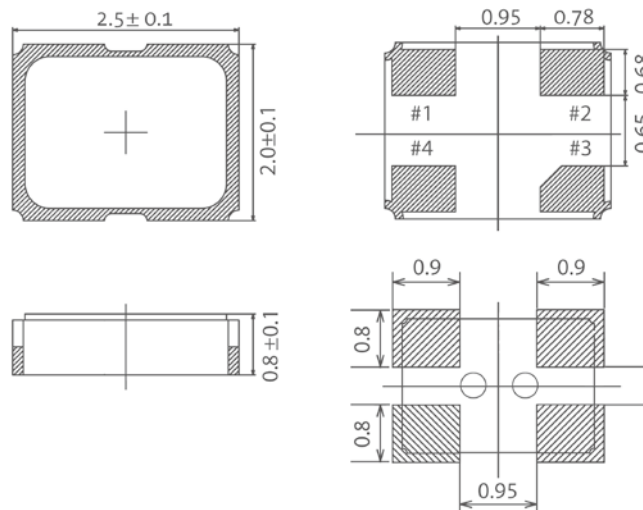


**TYPICAL SPECIFICATIONS**

Model	OSC91(+3.0V)		OSC91(+2.5V)
Nominal Frequency Range	0.75 ~ 75MHz		0.75 ~ 75MHz
Standard Frequency	20, 27, 40, 44, 48MHz		20, 27, 40, 48MHz
Frequency Stability	±30 ppm(-20°C ~ +70°C)	±50 ppm, ±100 ppm	±30 ppm(-20°C ~ +70°C)   ±50 ppm, ±100 ppm
Aging (+25°C)	±5ppm / year Max.		
Temperature Range	Operating	-20°C ~ +70°C, -40°C ~ +85°C	-20°C ~ +70°C, -40°C ~ +85°C
	Storage	-55°C ~ +100°C	
Power Supply Voltage(VDC)	+3.0V(±5%)	+3.3V(±5%)	+2.5V(±5%)
Current Consumption	6mA Max.:~20MHz	7mA Max.:~20MHz	5mA Max.:~20MHz
	11mA Max.:~40MHz	13mA Max.:~40MHz	9mA Max.:~40MHz
	16mA Max.:~60MHz	19mA Max.:~60MHz	11mA Max.:~60MHz
	20mA Max.:~75MHz	24mA Max.:~75MHz	14mA Max.:~75MHz
Output	Load	15pF Max.	
	Level	CMOS	
	Symmetry	45%~55% @1/2 Vdd	
	Rise & Fall Time	10ns Max.	
		@10%~90% Vdd	
	Voltage	"0" level	Vol : 0.1Vcc Max..
"1" level		Voh : 0.9Vcc Min.	
Duty Cycle	45~55% @50%Vdd		40~60% @50%Vdd

Please consult with our sales department for other parameters.

**OUTLINE DIMENSIONS**  
Unit:mm



PIN NO	CONNECTION
# 1	N.C. (INH)
# 2	GND
# 3	OUTPUT
# 4	+Vdd

All specifications are subject to change without notice.