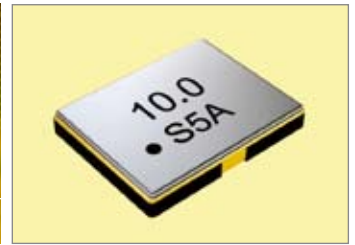


# OSC81

CLOCK 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, Wide Operating Temperature, Low Current Consumption, Tri-State Option, RoHS Compliant Standard

DIMENSION

3.2 x 2.5 x 0.95[mm]

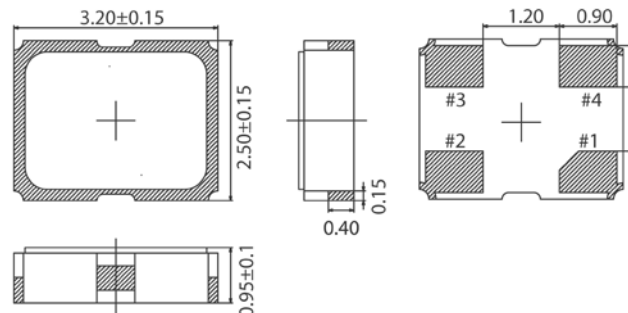


TYPICAL SPECIFICATIONS

Model		OSC81(±3.0V)		OSC81(±3.0V)	
Nominal Frequency Range		0.75 ~ 75MHz			
Standard Frequency		20, 27, 40, 44, 48, 50, 66, 75MHz			
Frequency Stability		±30 ppm	±50 ppm, ±100 ppm	±30 ppm	±50 ppm, ±100 ppm
Aging (+25°C)		±5ppm / year Max.			
Temperature Range	Operating	-20°C ~ +70°C	-20°C ~ +70°C, -40°C ~ +85°C	-20°C ~ +70°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% @ 50%Vcc		40 ~ 60% @ 50% Vcc	
	Rise & Fall Time	10ns Max. @10%~90%Vcc			
	Voltage "0" level	Vol : 0.1Vdd Max.			
		"1" level	Voh : 0.9Vdd Min.		
Period Jitter RMS		5ps Max.			
Phase Jitter RMS		1ps Max. Fj=12k~20MHz			

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	+Vcc

All specifications are subject to change without notice.