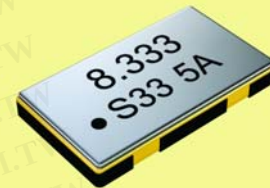


OSC71

CLOCK OSCILLATOR

SMD



TYPICAL APPLICATIONS

Palmtop Computer, Portable Application, PCMCIA Cards Disc Drives

FEATURES

Ultra-thin, Ceramic SMD Package, Seam Sealed, Lead-free Design, High Performance, CMOS & TTL Compatible, RoHS Compliant Standard

DIMENSION

5.0x3.2x1.0[mm]



TYPICAL SPECIFICATIONS

Model		OSC71	
Nominal Frequency Range		0.5 ~70MHz	0.5 ~125MHz
Standard Frequency		20, 27, 40, 44, 48, 50, 66, 75MHz	
Frequency Stability		± 25 ppm, ± 50 ppm, ± 100 ppm	
Aging (+25°C)		± 5 ppm / year Max.	
Temperature Range	Operating	0°C ~ +70°C, -40°C ~ +85°C	
	Storage	-55°C ~ +125°C	
Power Supply Voltage(VDC)		+5V($\pm 10\%$)	+3.3V($\pm 10\%$)
Current Consumption		10(*15)mA Max.: 0.5~14.9MHz	10(*10)mA Max.: 0.5~14.9MHz
		15(*20)mA Max.: 15~29.9MHz	15(*15)mA Max.: 15~29.9MHz
		25(*30)mA Max.: 30~39.9MHz	20(*25)mA Max.: 30~39.9MHz
		35(*40)mA Max.: 40~49.9MHz	25(*30)mA Max.: 40~49.9MHz
		40(*50)mA Max.: 50~59.9MHz	30(*35)mA Max.: 50~59.9MHz
		40(*60)mA Max.: 60~75.0MHz	40(*45)mA Max.: 60~79.9MHz
			50(*60)mA Max.: 80~99.9MHz
			60(*70)mA Max.: 100~125MHz

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

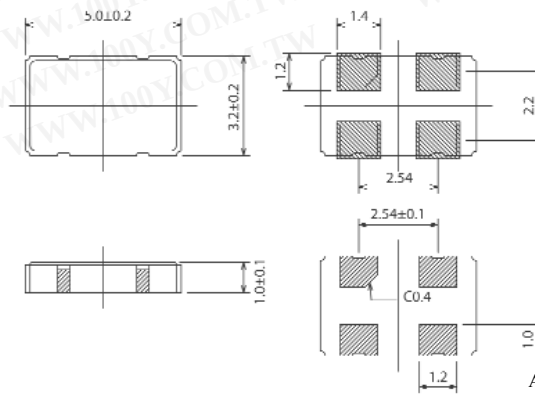
TABLE A

Output		TTL-CMOS(See Table A)			
Output	Load	15pF(*30pF Max.)	2TTL or 5TTL or 10TTL	15pF(*30pF Max.)	2TTL or 5TTL or 10TTL
	Level	CMOS	TTL	CMOS	TTL
Symmetry		40%~60% @ 1/2Vcc	40%~60% @ 1.4VDC	40%~60% @ 1/2Vcc	40%~60% @ 1.4VDC
Rise & Fall Time		10ns Max. F $\leq$ 40MHz	10ns Max. F $\leq$ 40MHz	10ns Max. F $\leq$ 40MHz	10ns Max. F $\leq$ 40MHz
		7ns Max. F>40MHz	7ns Max. F>40MHz	7ns Max. F>40MHz	7ns Max. F>40MHz
Voltage	@10%~90% Vcc	@0.4~2.4 VDC	@0.4~2.4 VDC	@10%~90% Vcc	@0.4~2.4 VDC
	"0" level	Vol : 0.1 Vcc Max.	Vol : 0.4Vcc Max.	Vol : 0.1 Vcc Max.	Vol : 0.4Vcc Max.
Voltage	"1" level	Voh : 0.9 Vcc Min.	Voh : 2.4Vcc Min.	Voh : 0.9 Vcc Min.	Voh : 2.4Vcc 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