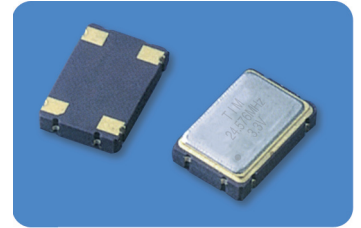


CMOS/TTL SMD CRYSTAL CLOCK OSCILLATOR 7.0 × 5.0 (OSC7050)

FEATURES

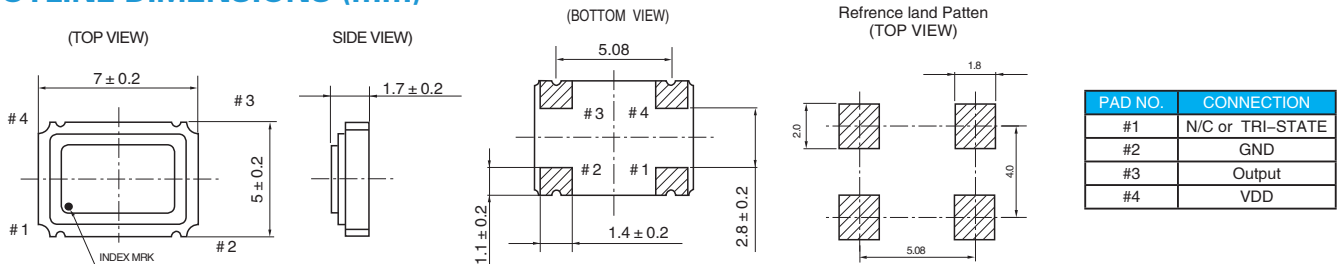
- Miniature package
- Reflow soldering
- CMOS IC circuit construction built-in with tristate function
- CMOS/TTL compatible in general application



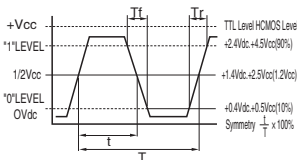
SPECIFICATIONS

ITEM	DESCRIPTION
Frequency range	32.768KHz~200.000MHz
Mode	TTL、CMOS or CMOS/TTL COMPATIBLE
Supply Voltage(VDD)	5.0V DC $\pm 10\%$ 、3.3V DC $\pm 10\%$ 、1.8VDC $\pm 10\%$
Supply Current	$\leq 30\text{MHz}$ 30mA Max, $> 30\text{MHz}$ 45mA Max
Operating Temperature Range	0°C~+70°C、-20°C~+70°C、-40°C~+85°C or specify
Frequency Stability Over Operating Temp Characteristics	$\pm 30\text{ppm(STD)}$ 、 $\pm 5\text{ppm} \sim \pm 50\text{ppm}$ or specify
Storage Temperature Range	-55°C ~ +125°C
Output Character	"0"Level (Vol Max)
	10%VDD MAX
	"1"Level (Voh Min)
	90%VDD MIN
	Rise Time (Tr)
	10%~90%VDD 10ns Max
Start Up Time	Fall Time (Tf)
	90%~10%VDD 10ns Max
	Symmetry
Aging (25°C $\pm 3^\circ\text{C}$)	40%~60% or 45%~55% Option (at 50%VDD)
	Output Load
E/D Control	15pf、30pf、50pf Max or specify
	7~10ms Max
	$\pm 3\text{ppm/year}$
	#1PIN N/C or TRI-STATE

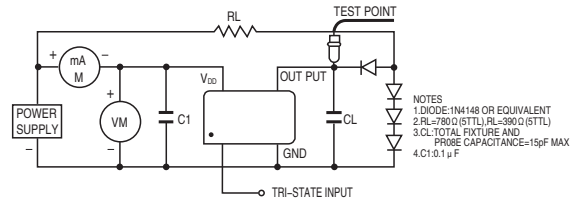
OUTLINE DIMENSIONS (mm)



OUTPUT WAVEFORM



TEST CIRCUIT



PART NUMBER

TIM-	XOS7050	A	16.000000	± 30	-20°C~+70°C	5.0	Y
Type	Molde Type	Frequency(MHz)	Frequency(MHz)	operating stability (ppm)	temperature range	Supply voltage(v)	E/D Control
	A:CMOS/TTL	16.000000:				5.0:5.0V DC	Y:TRI-STATE
	B:CMOS	16.000000MHz		$\pm 30: \pm 30\text{ppm}$		3.3:3.3V DC	N:N/C Control
	C:TTL					1.8:1.8V DC	