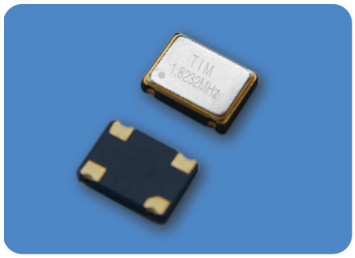
CMOS/TTL SMD CRYSTAL CLOCK OSCILLATOR 5.0×3.2(OSC5032)

FEATURES

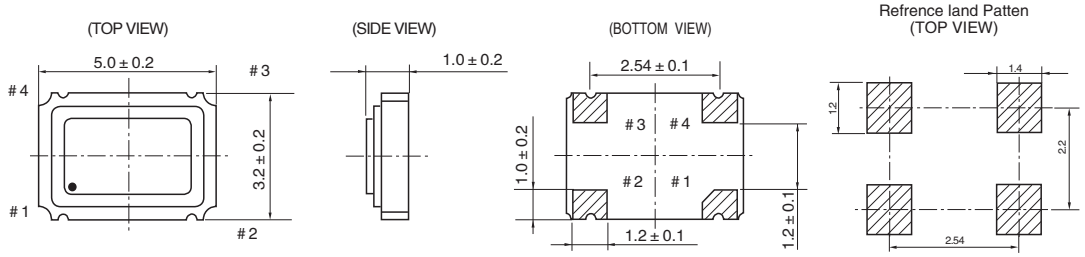


- Ultra–miniature package
- Reflow soldering
- CMOS IC circuit construction built–inwith tristate function
- CMOS/TTL compatible in general application
- SPECIFICATIONS

SPECIFICATIONS

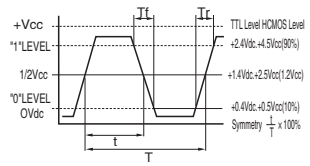
ITEM		DESCRIPTION
Frequency range		32.768KHz~200.000MHz
Mode		TTL、CMOS or CMOS/TTL COMPATIBLE
Supply Voltage(VDD)		5.0V DC ± 10%、3.3V DC ± 10%、2.5V DC ± 10%、1.8V DC ± 10%
Supply Current		≤30MHz 30mA Max, >30MHz 45mA Max
Operating Temperation Range		0℃~+70℃、–20℃~+70℃、–40℃~+85℃ or specify
Frequency Stability Over Operating Temp Characteristics		± 30ppm(STD)、± 5ppm ~ ± 50ppm or specify
Storage Temperature Range		–55℃ ~ +125℃
Output Character	"0"Level (Vol Max)	10%VDD MAX
	"1"Level (Voh Min)	90%VDD MIN
	Rise Time (Tr)	10%~90%VDD 10ns Max
	Fall Time (Tf)	90%~10%VDD 10ns Max
	Symmetry	40%~60% or 45%~55% Option (at 50%VDD)
	Output Load	15pf、30pf、50pf Max or specify
Start Up Time		7~10ms Max
Aging (25℃ ± 3℃)		± 3ppm/year
E/D Control		#1PIN N/C or TRI–STATE

OUTLINE DIMENSIONS (mm)

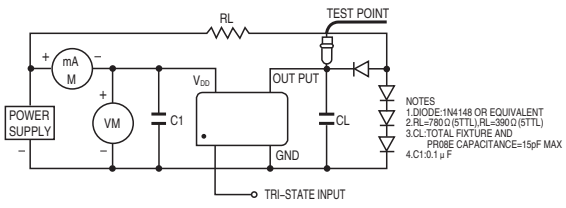


PAD NO.	CONNECTION
#1	N/C or TRI–STATE
#2	GND
#3	Output
#4	VDD

OUTPUT WAVEFORM



TEST CIRCUIT



PART NUMBER

TIM–

XOS5032	A	16.000000	± 30	–20℃~+70℃	5.0	N
Type	Molde Type A:CMOS/TTL B:CMOS C:TTL	Frequency(MHz) 16.000000: 16.000000MHz	Frequency(MHz) stability (ppm) ± 30: ± 30ppm	operating temperature range	Supply voltage(v) 5.0:5.0V DC 3.3:3.3V DC 2.5:2.5V DC	E/D Control Y:TRI–STATE N:N/C Control