



CMOS/TTL CRYSTAL CLOCK OSCILLATOR (CXO)

FEATURES

- Wide frequency range
- CMOS IC circuit construction built-in with tristate function
- CMOS/TTL compatible in general application

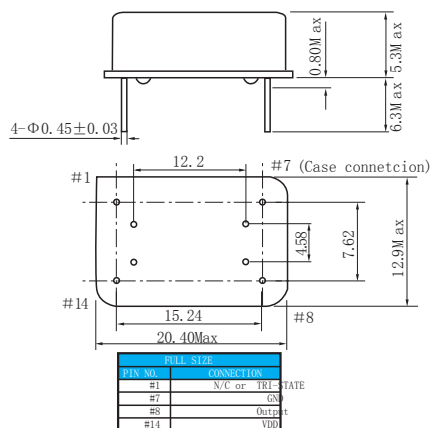
SPECIFICATIONS



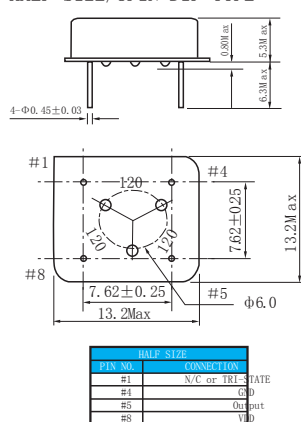
ITEM		DESCRIPTION		
Frequency range		0.250MHz~180MHz		
Module Type		Full Size or Half Size		
Mode		TTL	CMOS	CMOS/TTL
Supply Voltage(V _{DD})		5.0V DC±10%	3.3V DC±10%	5.0V DC±10%
Operating Temperature Range		0°C~+70°C、-20°C~+70°C、-40°C~+85°C or specify		
Frequency Stability Over Operating Temp Characteristics		±30ppm(STD)、±10ppm ~ ±50ppm or specify		
Input Current	0.250~23.999MHz	15mA Max	10mA Max	15mA Max
	24.000~49.999MHz	30mA Max	20mA Max	30mA Max
	50.000~79.999MHz	40mA Max	20mA Max	40mA Max
	80.000~180.000MHz	50mA Max	30mA Max	50mA Max
Storage Temperature Range		-55°C ~ +125°C		
Symmetry		40%~60% (at 1.4V)	40%~60% (at 1.65V)	40%~60% (at 2.5V)
Output Voltage High Level(V _{OH} min)		2.4V	2.97V (90%VDD)	4.5V (90%VDD)
Output Voltage Low Level(V _{OL} max)		0.4V	0.33V (10%VDD)	0.5V (10%VDD)
Rise/Fall Time		5~10ns Max		
Start Up Time		7~10ms Max		
Output Load		5TTL or 10TTL		
Aging (25°C±3°C)		±3ppm/year		
E/D Control		#1PIN N/C or TRI-STATE		

OUTLINE DIMENSIONS (mm)

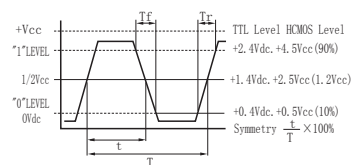
FULL SIZE/14PIN DIP TYPE



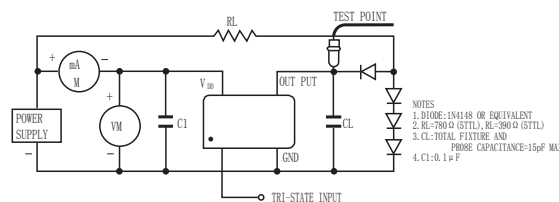
HALF SIZE/8PIN DIP TYPE



OUTPUT WAVEFORM



TEST CIRCUIT



PART NUMBER

TIM	XOF	A	16.000000	±30	-20°C~+70°C	5.0	Y
Type	Module Type	Frequency (MHz)	Frequency stability (ppm)	operating temperature range	Supply voltage(v)	E/D Control	
XOF: Full size	A: CMOS/TTL	16.000000:	(ppm)		5.0: 5.0V DC	Y: TRI-STATE	
XOH: Half size	B: CMOS	16.000000MHz	±30: ±30ppm		3.3: 3.3V DC	N: N/C Control	
	C: TTL						