CMOS/TTL CRYSTAL CLOCK OSCILLATOR (OSC-DIP14/DIP8)

FEATURES

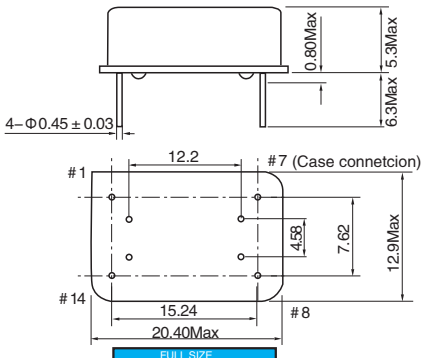
- Wide frequency range
- CMOS IC circuit construction built–inwith tristate function
- CMOS/TTL compatible in general application

SPECIFICATIONS

ITEM		DESCRIPTION		
Frequency range		0.250MHz~180MHz		
Modle 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 Temperation Range		0℃~+70℃、–20℃~+70℃、–40℃~+85℃ 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℃ ~ +125℃		
Symmetry		40%~60% (at 1.4V)	40%~60%(at 1.65V)	40%~60%(at 2.5V)
Output Voltage High Level(Voh min)		2.4V	2.97V(90%VDD)	4.5V(90%VDD)
Output Voltage Low Level(Vol 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℃ ± 3℃)		± 3ppm/year		
E/D Control		#1PIN N/C or TRI–STATE		

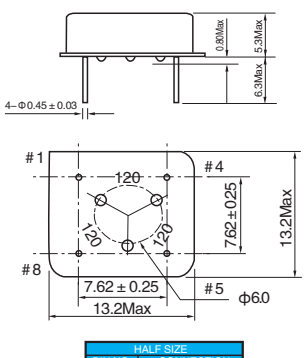
OUTLINE DIMENSIONS (mm)

FULL SIZE/14PIN DIP TYPE



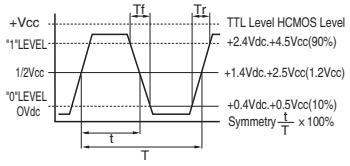
FULL SIZE	
PIN NO.	CONNECTION
#1	N/C or TRI–STATE
#7	GND
#8	Output
#14	VDD

HALF SIZE/8PIN DIP TYPE

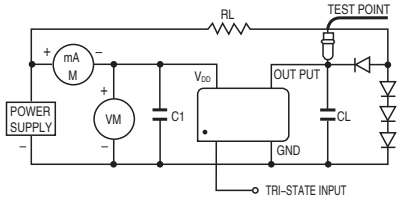


HALF SIZE	
PIN NO.	CONNECTION
#1	N/C or TRI–STATE
#4	GND
#5	Output
#8	VDD

OUTPUT WAVEFORM



TEST CIRCUIT



PART NUMBER

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