

VOLTAGE CONTROLLED CRYSTAL OSCILLATOR (VCXO-DIP)

■ FEATURES

- Stability up to $\pm 5\text{ppm}$
- Control voltage range $\pm 200\text{ppm}$ Max
- CMOS/TTL compatible output
- All metal, hermetically sealed welded package

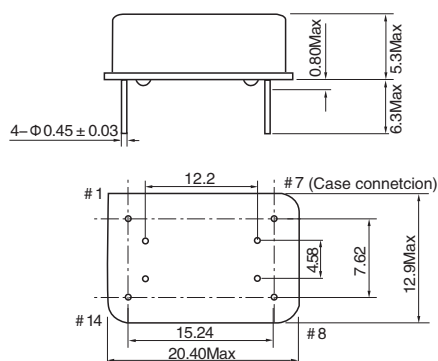


■ SPECIFICATIONS

ITEM		DESCRIPTION	
Frequency range		1.000MHz~80.000MHz	
Modle Type		Full Size or Half Size	
Supply Voltage(VDD)		5.0V DC $\pm$ 10%	3.3V DC $\pm$ 10%
Supply Current		$\leq$ 30MHz 30mA Max, > 30MHz 45mA Max	
Operating Temperation Range		0℃~+70℃ or specify	
Frequency Stability Over Operating Temp Characteristics		$\pm$ 10ppm ~ $\pm$ 50ppm or specify	
Storage Temperature Range		-55℃ ~ +125℃	
Frequency Control		Positive Transfer Characteristic	
	Pullability	$\pm$ 50ppm、 $\pm$ 100ppm、 $\pm$ 150ppm、 $\pm$ 200ppm Max	
	Center Control Voltage	Vc=2.5V DC	Vc=1.65V DC
Output Character	Control Voltage	0.5V DC to 4.5V DC	0.3V DC to 3.0V DC
	"0"Level (Vol Max)	0.5V(10%VDD) Max	0.3V(10%VDD) Max
	"1"Level (Voh Min)	4.5V(90%VDD) Min	3.0V(90%VDD) Min
	Rise Time (Tr)	10%~90%VDD 5ns Max	
	Fall Time (Tf)	90%~10%VDD 5ns Max	
	Symmetry	40%~60% or 45%~55% Option (at 50%VDD)	
	Output Load	15pf、30pf、50pf Max or specify	
Aging (25℃ $\pm$ 3℃)	$\pm$ 3ppm/year		
Start Up Time	7~10ms Max		

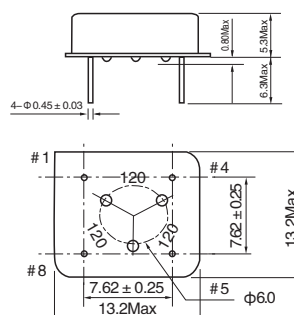
■ OUTLINE DIMENSIONS (mm)

FULL SIZE/14PIN DIP TYPE



PIN NO.	CONNECTION
#1	Control Vol
#7	GND
#8	Output
#14	VDD

HALF SIZE/8PIN DIP TYPE



PIN NO.	CONNECTION
#1	Control Vol
#4	GND
#5	Output
#8	VDD

■ PART NUMBER

TIM-	VCF	A	16.000000	± 50	± 10	-20℃~+70℃	5.0
	Type	Molde Type	Frequency(MHz)	control Voltage	Frequency	operating	Supply voltage(v)
		A:CMOS/TTL		Range	stability	temperature	
	VCF:Full size	B:CMOS	16.000000:	(ppm)	(ppm)	range	5.0:5.0V DC
	VCH:Half size	C:TTL	16.000000MHz	± 50: ± 50ppm	± 10: ± 10ppm		3.3:3.3V DC