TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR (TCXO or VCTCXO-DIP)

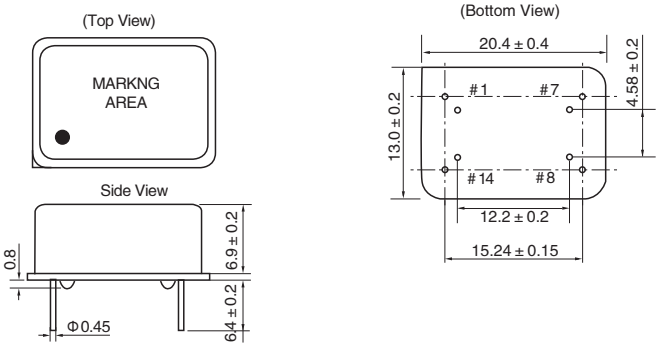
FEATURES

- Stability up to ± 0.5ppm
- Control voltage range ± 10ppm Max
- CMOS/TTL compatible output
- Low aging

SPECIFICATIONS

ITEM		DESCRIPTION	
Frequency range		1.000MHz~80.000MHz	
Supply Voltage(VDD)		5.0V DC ± 10%	3.3V DC ± 10%
Supply Current	1.000MHz~14.999MHz	15mA Max	10mA Max
	15.000MHz~25.999MHz	20mA Max	15mA Max
	25.000MHz~80.000MHz	25mA Max	20mA Max
Operating Temperation Range		–10℃~+60℃、0℃~+70℃、–20℃~+70℃ or specify	
Frequency Stability Over Operating Temp Characteristics		± 0.5ppm ~ ± 5ppm or specify	
Storage Temperature Range		–55℃ ~ +125℃	
Freqquency Adjustment		± 1~ ± 5ppm (by mechanical or electrical)	
F–V Stability	Supply Voltage Change	± 5%	
	Frequency Stability	± 0.2ppm	
Frequency Control	Range	± 5ppm or specify	
	Center Control Voltage	Vc=2.5V DC	Vc=1.65V DC
	Control Voltage	0.5V DC to 4.5V DC	0.3V DC to 3.0V DC
Output Character	"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 5~10ns Max	
	Fall Time (Tf)	90%~10%VDD 5~10ns Max	
	Symmetry	45%~55% (at 50%VDD)	
	Output Load	15pf、30pf、50pf Max or specify	
Aging (25℃ ± 3℃)		± 1~3ppm/year	
Start Up Time		2ms Max	
Input Impedance		1MΩ	

OUTLINE DIMENSIONS (mm)



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

PART NUMBER

TIM– TC – A / 16.000000 / ± 5 / ± 1.5 / –20℃~+70℃ / 5.0

TC	A	16.000000	± 5	± 1.5	–20℃~+70℃	5.0
Type	Molde Type	Frequency(MHz)	Control voltage range (ppm)	Frequency stability (ppm)	operating temperature range	Supply voltage(v)
TC:TCXO	A:CMOS/TTL	16.000000:	± 5: ± 5ppm			5.0:5.0V DC
VT:VC–TCXO	B:CMOS	16.000000MHz	N:TCXO no voltage control function	± 1.5: ± 1.5ppm		3.3:3.3V DC
	C:TTL					