TCXO

TD14 Series TCXO/VCTCXO

Product Data Sheet

JTTY

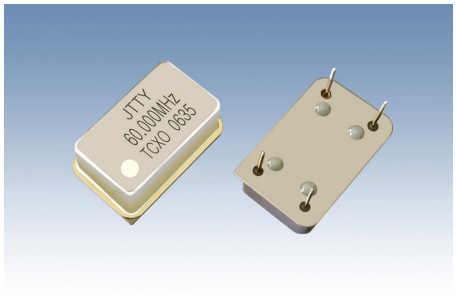
产品特点 FEATURES

- 典型的20.4×12.8×7.6mm Typical20.4×12.8×7.6mm
- 14引脚DIP技术封装 Hermetically Sealed 14 Pin DIP Package
- 双密封金属外壳和高可靠性 Double sealed metal case and high reliability
- 可生产VCTCXO VCTCXO available

应用范围 APPLICATION

- 大规模设备 Large-Scale equipment
- 无线局域网/宽带无线域网 WLAN/WiMAX
- 军事通信设备 Military Communication equipmet

RoHS



参数 Parameter	符号 Sym	条件 Condition	最小值 Min.	典型 Typ.	最大值 Max.	单位 Unit	备注 Note
存储温度 StorageTemp.	Ts		-55		+125	℃	
频率范围 Frequency Range	F		2		125	MHz	自定义 Custom
频率精度 Frequency Calibr.	⊿F/F	At 25℃	±0.2 ~ ±2.0			ppm	
频率稳定度 Frequency Stability	⊿F/F	VS Supply Voltage(vcc±5%)			±0.2	ppm	
		VS Load (±10%)			±0.2		
年老化率 Aging Per Year		1st year			±1.0	ppm	
工作温度范围 Operating Temp.	To		-40		+90	℃	
电源电压 Supply Voltage	Vcc		1.71	1.8	1.89	V	
			2.375	2.5	2.625		
			3.135	3.3	3.45		
			4.75	5.0	5.25		

温度范围稳定性 Stability Temp.Range		±0.28	±0.5	±1.0	±1.5	±2.0	±2.5	±5.0	ppm
-20~+70	℃	Y	Y	Y	Y	Y	Y	Y	
-30~+85		Y	Y	Y	Y	Y	Y	Y	
-40~+85		Y	Y	Y	Y	Y	Y	Y	
-40~+90			*	Y	Y	Y	Y	Y	

输出波形 Output Waveform		Sinewave	Clipped Sinewave	HCMOS/TTL
输出幅度 Output Level		＞1Vp-p	＞0.8Vp-p	VOH＞0.9xVcc VOL＜0.1xVcc
输出负载 Output Load		50Ω	10KΩ//10pF	15~50pF
电源电流 Supply Current		1~5mA	1~4mA	1~15mA
占空比 Duty Cycle		45~55%	45~55%	45~55%

相位噪声 SSB Phase Noise	@ 10MHz	100Hz 1KHz 10KHz			-115 -140 -150	dBc/Hz	
启动时间 Start-up Time					2	ms	At 25℃
频率调整 Frequency Adjustment	压控 VC-TCXO Vcon	EFC Voltage	0.5	2.5	4.5	V	@5V
			0.5	1.5	2.5		@3.3V
		EFC Range	±5			ppm	Custom
		输入阻抗 Input impedance	100			KΩ	
焊接条件 Soldering Conditions	≤260℃, 最长时间为10s				≤ 260℃, for 10s max		
引脚输出 Pin Out	Pin 1- NC or Vcon; Pin 7- GND; Pin 8- Output; Pin 14- Vcc						
封装尺寸 Package	DIP(20.4×12.8×7.6)					mm	

*为定制产品

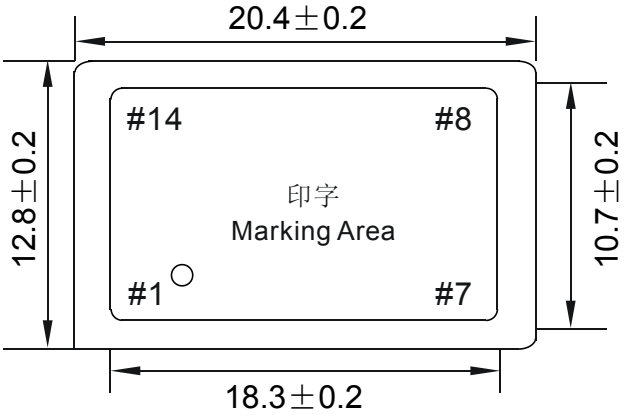
所有规格如有更改，恕不另行通知.

*Customized products

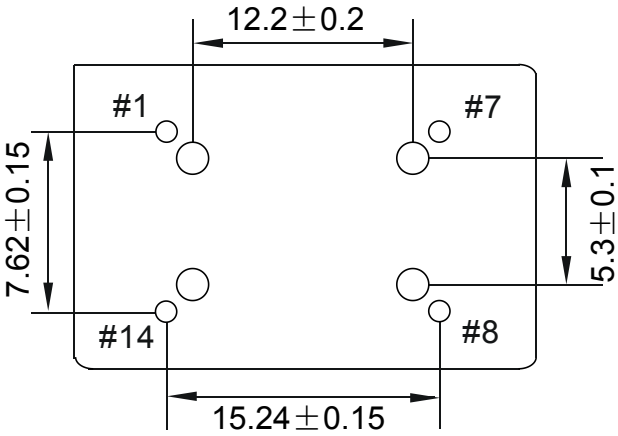
All specifications are subject to change without notice

Tel:(86)010-6253-5087 Fax:(86)010-6263-2642 Web:www.jtty.com.cn Email:sales@jtty.com.cn

顶视图
Top View

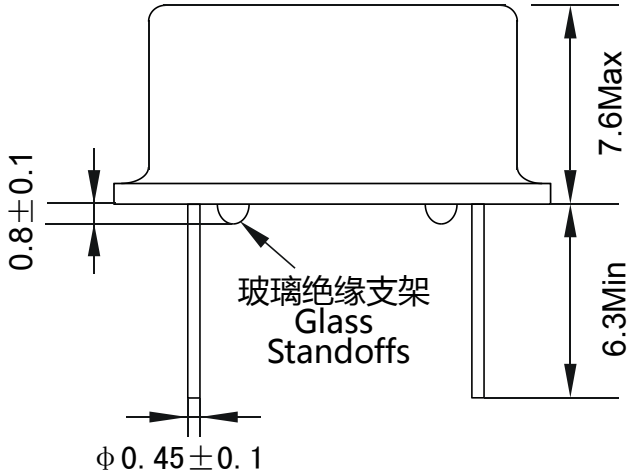


底视图
Bottom View



Unit:mm

边视图
Fron t View



Pad Functions:	
Pad #1	Vcon/NC
Pad #7	GND
Pad #8	Output
Pad #14	Vcc

所有尺寸是典型的，另有规定除外
All dimensions are typical unless otherwise specified