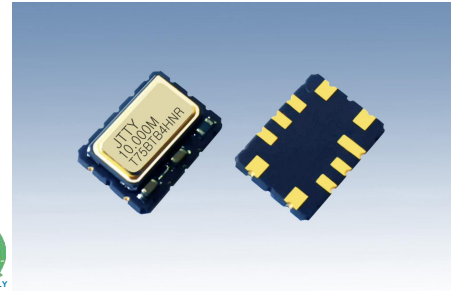


TT75 TCXO/VCTCXO
Product Data Sheet

产品特点 FEATURES

- 典型的7.0X5.0X1.90mm 陶瓷底座贴片封装
Typical 7.0X5.0X1.90mm ceramic SMD package
- 高频率稳定性和温度:±0.20~0.5ppm
High frequency stability vs.temperature:±0.20~0.5ppm
- 低相位噪声,高可靠性
Low phase noise,high reliability



应用范围 APPLICATION

- 基站
 - 仪器仪表
 - 军用电台
 - 卫星导航
- Femtocell
Instrumentation
Military radio
Sat.navigation



规格 Specification

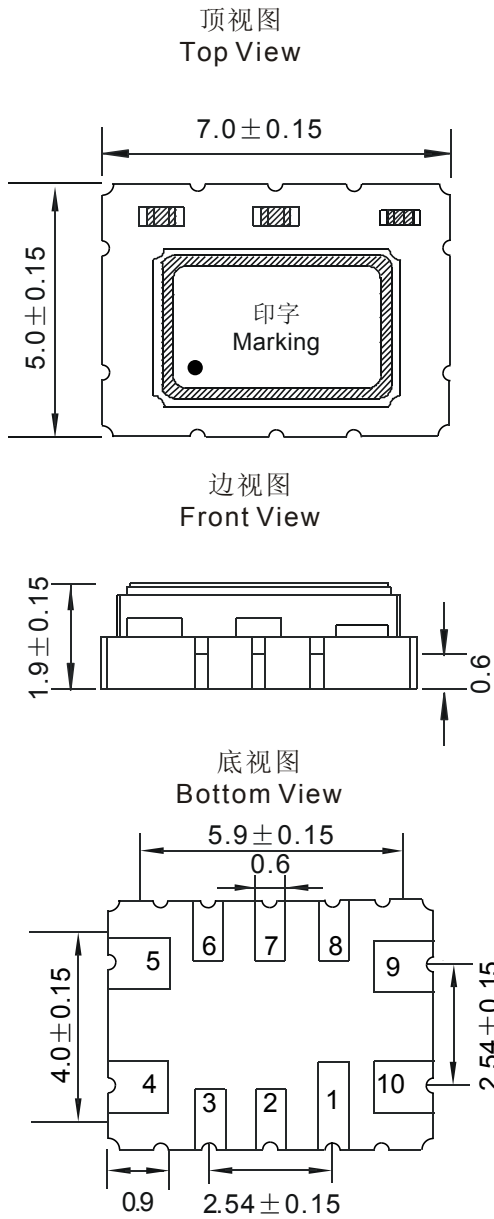
参数	Parameter	符号 Sym	条件 Condition	最小值 Min.	典型 Typ.	最大值 Max.	单位 Unit	备注	Note
频率温度稳定度 (Fmax+Fmin) 2	Frequency Stability vs.temperature reference to (Fmax+Fmin) 2		-40~+85°C	±0.5			ppm	标准	standard
			-40~+85°C	±0.20~0.28				根据要求	on request
			-55~+95°C	±0.5~±1.0				根据要求	on request

电气 Electrical

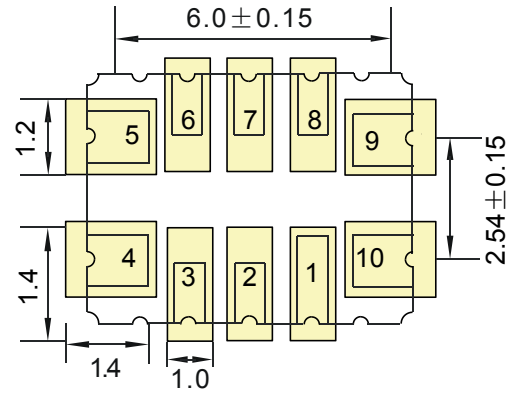
频率范围	Frequency Range	F		5		100	MHz	自定义	Custom	
存储温度	Storage Temp.	Ts		-55		+125	°C			
频率精度	Frequency Calibr.	ΔF/F	At 25°C	0 ~ ±2.0			ppm			
频率稳定度	Frequency Stability	ΔF/F	VS Supply Voltage(vcc±5%)			±0.05	ppm			
			VS Load(±10%)			±0.05				
老化率	Aging Per Year		1st year			±1.0	ppm	根据要求	on request	
			1st year			±0.5				
工作温度范围	Operating Temp.	To		-20		+70	°C	标准	Standard	
				-40		+85		工业控制	Extended	
				-55		+95		汽车及军工	Car&Military	
电源电压	Supply Voltage	Vcc		1.8	3.3	5	V	自定义	Custom 1.8, 2.5, 2.8, 3.0, 3.3, 5	
输出波形	Output Waveform		削峰正弦波			方波				
输出幅度	Output Level		>0.8Vp-p			VOH>0.9xVcc VOL<0.1xVcc				
输出负载	Output Load		10KΩ//10pF			15pF Max.				
电源电流	Supply Current		1.5~4mA			3~8mA				
占空比	Duty Cycle		45~55%			45~55%				
相位噪声	SSB Phase Noise	@	100Hz			-120	dBc/Hz			
			1KHz			-140				
			10KHz			-148				
启动时间	Start-up Time					2	ms	At 25°C		
频率调整	Frequency Adjustment	压控 VC-	EFC Voltage	0.5	2.5	4.5	V	@5V		
				0.5	1.5	2.5		@3.3V		
		TCXO	EFC Range	±5			ppm	自定义 Custom		
		Vcon	输入阻抗	100			KΩ			
3态功能	Tri-state function	当引脚8给电压(>0.7V)或打开时, 晶振输出标称频率; 当引脚8给电压(<0.3V)或接地时, 晶振停止输出; 当引脚8悬空时, 默认高电平, 晶振正常工作 pin#8 > 0.7xVcc or open pin#5→oscillation pin#8 < 0.3xVcc or GND pin#5→high impedance							根据要求 on request	
焊接条件	Soldering Conditions	≤260°C, 最长时间为10s					≤ 260°C, for 10s max			
封装尺寸	Package	7.0X5.0X1.90					mm			

所有规格如有更改, 恕不另行通知.

All specifications are subject to change without notice



推荐的焊盘布局
Recommended Solder Pad Layout



Pad Functions:	
Pad #1	NC
Pad #2	NC
Pad #3	NC
Pad #4	GND
Pad #5	OUTPUT
Pad #6	NC
Pad #7	NC
Pad #8	Tri-State/NC
Pad #9	Vcc
Pad #10	Vcon: VC-TCXO GND/NC: TCXO