



# VTH03, TH03

Excellent frequency stability across a wide temperature range.  
Good Reliability.  
High quality TCXO for communication equipment.

**Table1 Specifications**

Parameter		VTH03, TH03
Frequency Range 频率范围		2MHz~40MHz
Initial Calibration Tolerance (@25 ±2 ) 频率准确度		Models with internal trimmer :Adjust to the nominal frequency Models without internal trimmer :±1ppm typical
Frequency Stability 频率稳定度	vs Operation Temp. Range	±0.5ppm or ±1.0ppm
	vs Vcc Change ±5%	±0.2ppm
	vs Load Change ±10%	±0.2ppm
	vs Aging	±1ppm
Operation Temperature Range 工作温度范围		-40~85
Supply Voltage 电源电压		12.0V,9.0V,8.0V,5.0V
Current Consumption 电流		20mA max
Output 输出		TTL/CMOS, Code is "T" Sinewave, 1.5Vp-p min@Load1k, Code is "S"
Start-up Time 起振时间		2ms max
Frequency Tuning Range (@25 ±2 )		±3ppm typical, by internal trimmer
VCTCXO only 压控特性	Frequency Tuning Range	±3~±20ppm, ±10ppm typical
	Control Voltage Range	2.5V±2V
	Slope Polarity	Positive
	Linearity	10%max
Package 外形尺寸		A16
Storage Temperature Range 存储温度范围		-55~+85

**Table2 Frequency Stability vs Operation Temperature Range(Ref to 25 ) and Option Code**

	±0.5ppm	±0.8ppm	±1.0ppm
-40~85	E5	E8	E10

## TCXOs

### Part Numbering Key

SERIES	PACKAGE CODE	Supply Voltage	OUTPUT FORM	FREQ. STABILITY vs.TEMP	FREQUENCY
TH03 VTH03	A16	9=9.0V 5=5.0V	S=Clipped Sine T=TTL/CMOS	See Table2	
<b>TH03</b>	<b>A16</b>	<b>9</b>	<b>S</b>	<b>E5</b>	<b>10.000MHz</b>

### Sample Part Numbers

**TH03A16-9SE5  
@10.000Mhz**

\* New Production