

## TCXO-18L

### Temperature Compensated Oscillator 温度补偿振荡器

#### ★TCXO-18L

Wide Frequency Range up to 40MHz

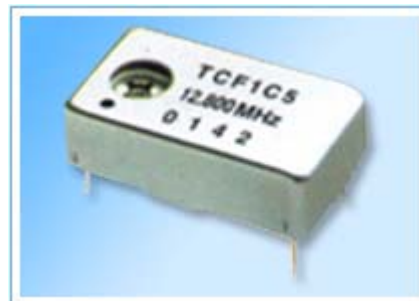
Low Aging

TTL, HCMOS, AC MOS, Clipping, Sine Wave

APPLICATIONS:

SDH/SONET, ATM, WLL

Measurement Equipment



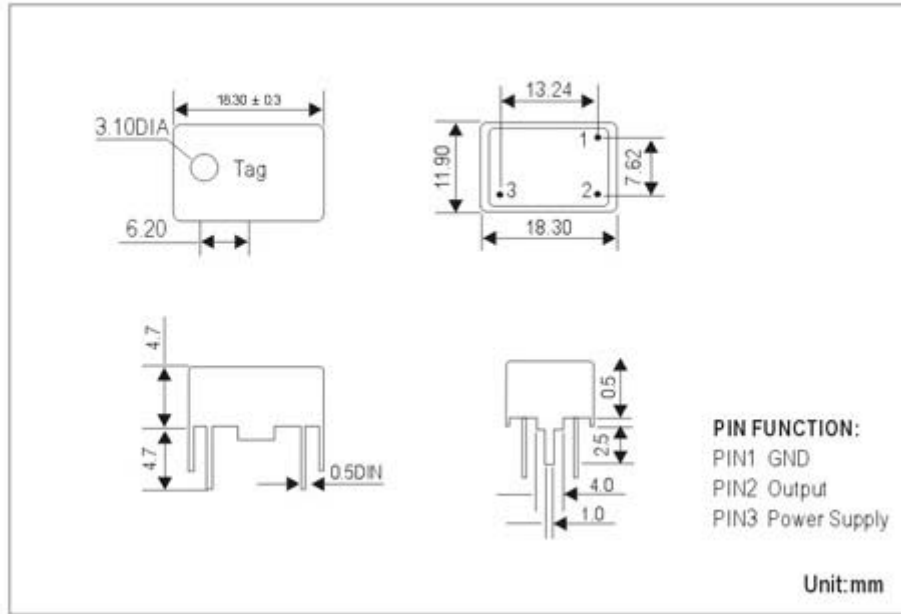
#### ★规格

频率范围	1-40MHz
频率温度稳定度	A: $\pm 1.0$ PPM ( $0-+50^{\circ}$ C) B: $\pm 1.5$ PPM ( $0-+70^{\circ}$ C) C: $\pm 1.5$ PPM ( $-20-+70^{\circ}$ C) D: $\pm 2.5$ PPM ( $-30-+75^{\circ}$ C) E: $\pm 3.0$ PPM ( $-40-+85^{\circ}$ C)
频率精确度	$\pm 1.0$ PPM Max
老化率	$\pm 1.0$ PPM/Year Max
输出波形和负载特性	See table1
频率负载稳定度	$\pm 0.1$ PPM Max. vs $\pm 10\%$ load change
电源电压	+3.3VDC, 5.0VDC
频率电压稳定度	$\pm 0.2$ PPM Max. vs $\pm 5\%$ voltage change
相位噪声	10Hz, -70dBc/Hz 100Hz, -100dBc/Hz 1kHz, -130dBc/Hz 10kHz, -140dBc/Hz 100kHz, -145dBc/Hz
供电电压	See table1
储存温度范围	$-40-+100^{\circ}$ C

#### ★产品编码系统 表2

TYPE	Package Style	Version	FST	Output Type & Load Characteristics	Frequency:MHz
VC	18L	1 Digit	See Specifications	See Table 1	- XXXMXXX

### TCXO-18L



★输出波形和负载特性 表 1

Output Waveform	Output Type Code	Frequency Range	Oscillation State	Output Characteristics
Clipping Sine Wave	0	8MHz-40MHz	F: Fundamental	Load: 10kΩ / 10pf Output level: >1Vp-p Current: Max. 10mA
TTL	1	1MHz-40MHz	F: Fundamental	Load: Max: 10 low power consumption TTL gates "1" level: >+2.4VDC; "0" level: <+0.2VDC Duty cycle: 40/60 Rise/fall time: <6ns Current: Max. 20mA

HCMOS	2	1MHz-40M Hz	F:Fundament al	Load:Max:10 low power consumption TTL/HCMOS "1"level:>+4.5VDC;"0"level:<+0. 5VDC Duty cycle:40/60 Rise/fall time:<6ns Current:Max. 20mA
ACMOS	3	1MHz-40M Hz	F:Fundament al	Load:Max:10 low power consumption TTL/ACMOS "1"level:>+4.5VDC;"0"level:<+0. 5VDC Duty cycle:40/60 Rise/fall time:<6ns Current:Max. 20mA
Sine Wave	4	8MHz-40M Hz	F:Fundament al	Load:Nominal 50 $\Omega$ Output level:>2dBm Harmonic suppression:>-25dB Noise suppression>-75dB