

TCXO-14

Temperature Compensated Oscillator 温度补偿振荡器

★TCXO-14

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: ± 1.0 PPM ($0-+50^{\circ}$ C) B: ± 1.5 PPM ($0-+70^{\circ}$ C) C: ± 1.5 PPM ($-20-+70^{\circ}$ C) D: ± 2.5 PPM ($-30-+75^{\circ}$ C) E: ± 3.0 PPM ($-40-+85^{\circ}$ C)
频率精确度	± 1.0 PPM Max
老化率	± 1.0 PPM/Year Max
输出波形和负载特性	See table2
频率负载稳定度	± 0.1 PPM Max. vs $\pm 10\%$ load change
电源电压	+3.3VDC, 5.0VDC
频率电压稳定度	± 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 table2
储存温度范围	$-40-+100^{\circ}$ C

★产品编码系统 表 1

TYPE	Package	Version	FST	Output Type &Load	Frequency:MHz
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	Style			Characteristics	
TC	14P	1 Digit	See Specifications	See Table 1	- XXXMXXX

★输出波形和负载特性 表 2

Output Waveform	Output Type Code	Frequency Range	Oscillation State	Output Characteristics
Clipping Sine Wave	0	8MHz-40MHz	F: Fundamental	Load: 10k Ω / 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-40MHz	F: Fundamental	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-40MHz	F: Fundamental	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:Fundamental	Load:Nominal 50 Ω Output level:>2dB Harmonic suppression:>-25dB Noise suppression>-75dB
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