

Crystal Oscillators

水晶発振器

Temperature Compensated Crystal Oscillators(TCXO)

温度補償水晶発振器

Temperature Compensates Voltage Controlled Crystal Oscillators(TC-VCXO)

温度補償電圧制御水晶発振器

TKP		Series シリーズ
Operating Conditions 動作条件		
Control Voltage 制御電圧	+1.5V ± 1.0V	
Supply Voltage 供給電圧	TKP13	2.7 ~ 5.5V
	TKP51	3.0V ± 5%
	TKP14	2.4 ~ 5.5V



Specifications 仕様

PRELIMINARY

Parameters 特性項目	TKP13FA	TKP13FC	TKP51RA	TKP51RC	TKP14RA	TKP14RC
Frequency Range 周波数範囲	10 ~ 52MHz		10 ~ 38MHz		10 ~ 27MHz	
Ex-factory Preset Frequency 周波数初期偏差(max)	± 1.5ppm		± 0.5ppm		± 2.0ppm	
Frequency Stability 周波数温度特性(max)	± 0.20ppm(-40 ~ +85) ± 0.10ppm(-10 ~ +70)		± 2.5ppm(-30 ~ +85)		± 0.5ppm(-30 ~ +85)	
Freq/Volt Change 電源変動特性(max)	± 0.05ppm (Vcc ± 5%)		± 0.2ppm (3.0V ± 5%)		± 0.2ppm (3.0V ± 5%)	
Load Change 負荷変動特性(max)	(10k //10pF ± 5%)		± 0.2ppm (10k //10pF ± 5%)		± 0.2ppm (10k //10pF ± 5%)	
Output 出力電圧(min)	0.8Vp-p Clipped Sine					
Load 負荷	10k //10pF					
Current 消費電流(max)	2.4mA (@ 3.3V 19.2MHz)		2.0mA		2.0mA (@ 3.3V)	
Aging エージング(max)	± 0.5ppm/year		± 1.0ppm/year		± 1.0ppm/year	
Voltage Control 周波数電圧制御特性	—	± 5 ~ ± 15ppm	—	± 5 ~ ± 15ppm	—	± 5 ~ ± 15ppm

Pad Connections パッド接続

TKP								Series シリーズ
8 pad	#1 Vcont/GND	#2 GND	#3 OUT	#4 Vcc	#5 NC	#6 NC	#7 NC	#8 NC
4 pad	#1 Vcont/GND	#2 GND	#3 OUT	#4 Vcc				

Case Dimensions ケース寸法

