

特点 Features

标准的1.6*1.2表面贴装形式

温度补偿晶体振荡器

电源电压1.8 ~ 3.3V

包装：每卷3000PCS

Typical 1.6 × 1.2mm SMD package

Temperature Compensated Quartz Crystal Oscillators

Supply Voltage: 1.8 V ~ 3.3 V.

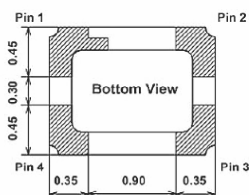
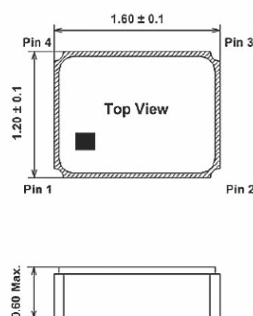
Packing: Tape&Reel, 3000 pcs per Reel



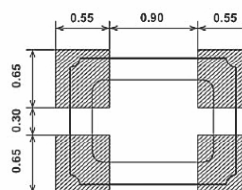
标准规格 Electronic Specification

型号 Type	TCXO 1612	
频率范围 Frequency Range	26 ~ 52 MHz	
输出类型 Output Type	Clipped Sinewave	
输出负载 Output Load	10K Ω //10 pF	
振荡模式 Oscillation Mode	Fundamental	
供电电压 Supply Voltage	1.8 ~ 3.3 V	
输出电压 Clipped Sinewave Output Voltage	0.8 V _{p-p} typical	
频率稳定性 Frequency Stability	Vs. Temperature (−30 ~ +85 ° C)	± 0.5/ ± 2.0 ppm
	Vs. Load (Load varies ± 10 %)	± 0.2 ppm Max.
	Vs. Supply Voltage (V _{cc} = Typical ± 0.1 V)	± 0.2 ppm Max.
频率容限 Frequency Tolerance	at 25 ° C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
频率漂移 Slope of Frequency Drift	± 0.1 ppm / ° C Typical; ± 0.5 ppm / ° C Max.	
储存温度范围 Storage Temperature Range	−40 ~ +85 ° C	
自动频率控制范围 Auto Frequency Control (AFC) Range	± 7 – ± 16 ppm (1.4 ± 1V)	
电源电流 Supply Current	2.0 mA Max.	
启动时间 Start-up Time	5 ms Max.	
谐波 Harmonics	−5 dBc Max.	
相位噪声 Phase Noise at 1 kHz offset	−130dBc/Hz	
老化 Aging (at 25 ° C)	± 1 ppm / year Max.	

外型尺寸 Outline Dimensions(Unit:mm)



Recommended Land Pattern



Pin Connection

Name	Connection
Pin 1	AFC or GND
Pin 2	GND
Pin 3	OUTPUT
Pin 4	VCC

特点 Features

标准的2.0*1.6表面贴装形式

温度补偿晶体振荡器

电源电压1.8 ~ 3.3V

包装：每卷3000PCS

Typical 2.0 × 1.6mm SMD package

Temperature Compensated Quartz Crystal Oscillators

Supply Voltage: 1.8 V ~ 3.3 V.

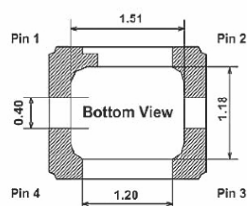
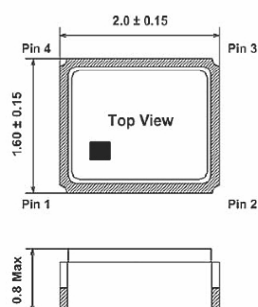
Packing: Tape & Reel, 3000 pcs per Reel



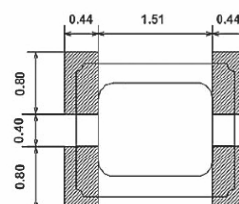
标准规格 Electronic Specification

型号 Type	TCXO 2016	
频率范围 Frequency Range	26 ~ 52 MHz	
输出类型 Output Type	Clipped Sinewave	
输出负载 Output Load	10K Ω //10 pF	
振荡模式 Oscillation Mode	Fundamental	
供电电压 Supply Voltage	1.8 ~ 3.3 V	
输出电压 Clipped Sinewave Output Voltage	0.8 V _{p-p} typical	
频率稳定性 Frequency Stability	Vs. Temperature (– 30 ~ + 85 ° C)	$\pm 0.5 / \pm 2.0$ ppm
	Vs. Load (Load varies $\pm 10\%$)	± 0.2 ppm Max.
	Vs. Supply Voltage (V _{cc} = Typical ± 0.1 V)	± 0.2 ppm Max.
频率容限 Frequency Tolerance	at 25 ° C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
频率漂移 Slope of Frequency Drift	± 0.1 ppm / ° C Typical; ± 0.5 ppm / ° C Max.	
储存温度范围 Storage Temperature Range	–40 ~ + 85 ° C	
自动频率控制范围 Auto Frequency Control (AFC) Range	$\pm 7 - \pm 16$ ppm (1.4 $\pm$ 1V)	
电源电流 Supply Current	2.0 mA Max.	
启动时间 Start-up Time	5 ms Max.	
谐波 Harmonics	–5 dBc Max.	
相位噪声 Phase Noise at 1 kHz offset	–130dBc/Hz	
年老化 Aging (at 25 ° C)	± 1 ppm / year Max.	

外型尺寸 Outline Dimensions(Unit:mm)



Recommended Land Pattern



Pin Connection

Name	Connection
Pin 1	AFC or GND
Pin 2	GND
Pin 3	OUTPUT
Pin 4	VCC

TCXO 2520

温补振荡器(TCXO)

特点 Features

标准的2.5*2.0表面贴装形式

温度补偿晶体振荡器

电源电压1.8 ~ 3.3V

包装：每卷3000PCS

Typical 2.5 × 2.0mm SMD package

Temperature Compensated Quartz Crystal Oscillators

Supply Voltage: 1.8 V ~ 3.3 V.

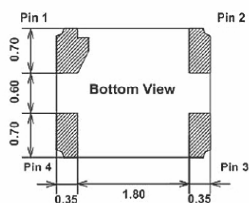
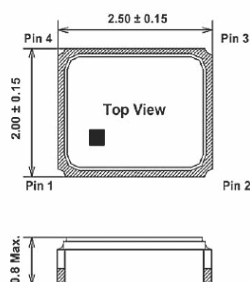
Packing: Tape&Reel, 3000 pcs per Reel



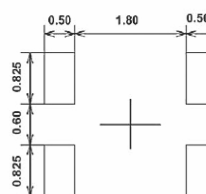
标准规格 Electronic Specification

型号 Type	TCXO 2520	
频率范围 Frequency Range	13 ~ 52 MHz	
输出类型 Output Type	Clipped Sinewave	
输出负载 Output Load	10K Ω //10 pF	
振荡模式 Oscillation Mode	Fundamental	
供电电压 Supply Voltage	1.8 ~ 3.3 V	
输出电压 Clipped Sinewave Output Voltage	0.8 Vp-p typical	
频率稳定性 Frequency Stability	Vs. Temperature (− 30 ~ + 85 ° C)	$\pm 0.5 / \pm 2.0$ ppm
	Vs. Load (Load varies $\pm 10\%$)	± 0.2 ppm Max.
	Vs. Supply Voltage (Vcc = Typical ± 0.1 V)	± 0.2 ppm Max.
频率容限 Frequency Tolerance	at 25 ° C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
频率漂移 Slope of Frequency Drift	± 0.1 ppm / ° C Typical; ± 0.5 ppm / ° C Max.	
储存温度范围 Storage Temperature Range	−40 ~ + 85 ° C	
自动频率控制范围 Auto Frequency Control (AFC) Range	$\pm 7 - \pm 16$ ppm (1.4 $\pm$ 1V)	
电源电流 Supply Current	2.0 mA Max.	
启动时间 Start-up Time	5 ms Max.	
谐波 Harmonics	−5 dBc Max.	
相位噪声 Phase Noise at 1 kHz offset	−130dBc/Hz	
老化 Aging (at 25 ° C)	± 1 ppm / year Max.	

外型尺寸 Outline Dimensions(Unit:mm)



Recommended Land Pattern

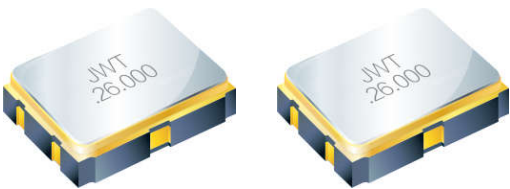


Pin Connection

Name	Connection
Pin 1	AFC or GND
Pin 2	GND
Pin 3	OUTPUT
Pin 4	VCC

特点Features

标准的3.2*2.5表面贴装形式
温度补偿晶体振荡器
电源电压1.8 ~ 3.3V
包装：每卷3000PCS
Tpical 3.2 × 2.5mm SMD package
Temperature Compensated Quartz Crystal Oscillators
Supply Voltage: 1.8 V ~ 3.3 V.
Packing:Tape&Reel,3000 pcs per Reel



标准规格Electronic Specification

型号 Type	TCXO 3225	
频率范围 Frequency Range	13 ~ 52 MHz	
输出类型 Output Type	Clipped Sinewave	
输出负载 Output Load	10K Ω //10 pF	
振荡模式 Oscillation Mode	Fundamental	
供电电压 Supply Voltage	1.8 ~ 3.3 V	
输出电压 Clipped Sinewave Output Voltage	0.8 V _{p-p} typical	
频率稳定性 Frequency Stability	Vs. Temperature (– 30 ~ + 85 ° C)	± 0.5/ ± 2.0 ppm
	Vs. Load (Load varies ± 10 %)	± 0.2 ppm Max.
	Vs. Supply Voltage (V _{cc} = Typical ± 0.1 V)	± 0.2 ppm Max.
频率容限 Frequency Tolerance	at 25 ° C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
频率漂移 Slope of Frequency Drift	± 0.1 ppm / ° C Typical; ± 0.5 ppm / ° C Max.	
储存温度范围 Storage Temperature Range	–40 ~ + 85 ° C	
自动频率控制范围 Auto Frequency Control (AFC) Range	± 7 – ± 16 ppm (1.4 ± 1V)	
电源电流 Supply Current	2.0 mA Max.	
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谐波 Harmonics	–5 dBc Max.	
相位噪声 Phase Noise at 1 kHz offset	–130dBc/Hz	
老化 Aging (at 25 ° C)	± 1 ppm / year Max.	

外型尺寸Outline Dimensions(Unit:mm)

