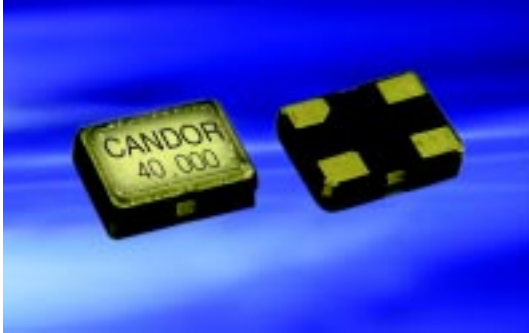


● **Crystal Oscillator (晶体振荡器) – CXO series (钟振系列)**

● **Clock Oscillator SMD CXO-3225 (表贴型钟振)**



● **Applications 用途:**

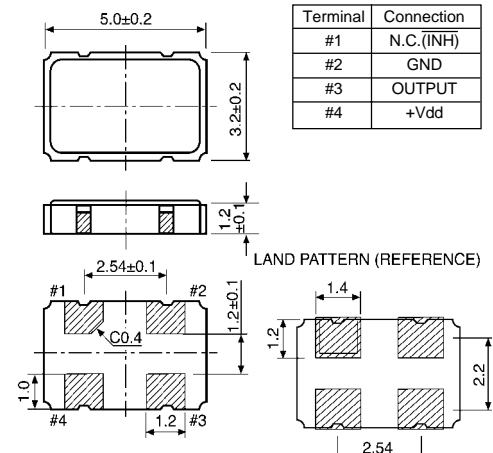
CCD, wireless LAN card, GPS, etc.

摄像系统, 无线网路卡, 卫星定位等。

● **Features 特征:**

- Thin surface mount ceramic package. 薄形陶瓷表面贴封装。
- CMOS/TTL compatible. CMOS 及 TTL 两种电路通用。
- Tri-state output standard. 标准三态输出。
- Low power consumption. 低功率消耗。
- Emboss tape & reel packing. 编带包装。

● **Typical specifications 规格参数**

Model	型号	CXO-3225											
Frequency range	频率范围	1 ~ 50MHz											
Frequency stability	总频差	$\pm 25, \pm 50, \pm 100 \times 10^{-6}$,											
Temperature range	温度范围	0 ~ +70°C, -20 ~ +70°C, -40 ~ +80°C,											
Storage temperature	储存温度	-55 ~ +125°C											
Power supply voltage	供给电压	2.5V, 2.8V, 3.5V ($\pm 10\%$)	1.8V ($\pm 10\%$)										
Current consumption	消耗电流	15mA	10nA										
Output Voltage 输出电压: "0" Level		V_{OL} : 0.1V _{dd} max.											
"1" Level		V_{OH} : 0.9V _{dd} min.											
Raise & Fall time 上升及下降时间		8ns max. 1MHz < 20MHz ; 6ns max. 20MHz < F ₀ < 40MHz											
Jitter Phase	抖动	2PS RMS 1(12KHz ~ 20MHz band)											
Output	出力	CMOS, HCMOS	<div style="text-align: center;">CXO-3225</div>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Terminal</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>N.C. (INH)</td> </tr> <tr> <td>#2</td> <td>GND</td> </tr> <tr> <td>#3</td> <td>OUTPUT</td> </tr> <tr> <td>#4</td> <td>+V_{dd}</td> </tr> </tbody> </table>	Terminal	Connection	#1	N.C. (INH)	#2	GND	#3	OUTPUT	#4	+V _{dd}
Terminal	Connection												
#1	N.C. (INH)												
#2	GND												
#3	OUTPUT												
#4	+V _{dd}												
Output Load	输出负载	15PF, 30PF											
Symmetry	占空比	45-55% at 15PF											
Start-up time	起振时间	5ms max.											
Aging: ± 3 ppm/year max. (at 25°C)													
Output Enable/Disable Function:													
Input Voltage (pin1),													
Output enable	: 0.7V _{dd} min												
Input Voltage (pin1),													
Output disable/High-Z	: 0.3V _{dd} min												
Output disable delay	: 200ns max.												
Out enable delay (start-up time)	: 10ms max.												

● Please consult for other specifications. (若有其它规格需求请告知)