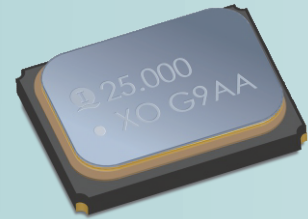




THE DATASHEET OF 2631-12005-BVKQYA

SPXO 3225 (163-B SERIES)



FEATURES

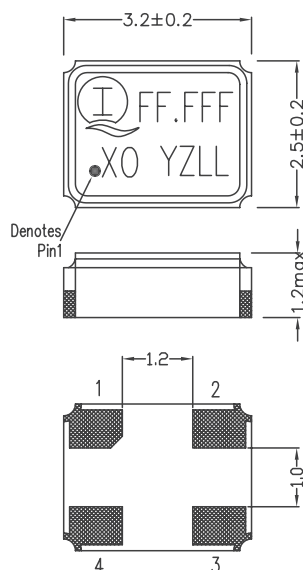
- Small size
- Low phase noise version available
- Low current consumption version available
- Conforms to AEC-Q100 (Optional)
- RoHS Compliant and Pb Free

Electrical Specifications

Parameters		Specifications		
Output Waveform 输出波型		CMOS		
Frequency Range 频率范围		32.768KHz	1MHz~50MHz	50MHz~160MHz
Supply Voltage Range (Vdd) 工作电压范围		1.0V~5V		
Overall Frequency Stability 总频率偏差		$\pm 25\text{ppm}$, $\pm 30\text{ppm}$, $\pm 50\text{ppm}$ or specify		
Operating Temperature Range 工作温度范围		$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$, $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$, $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$		
Current Consumption (Idd) 消耗电流		100uA Max.	10mA Max.	
Rise & Fall Time 上/下沿时间		20ns Max.	8ns Max.	3ns Max.
Output Symmetry 输出对称性		45%~55%		
Output Voltage 输出电压	V_{OH}	90% VDD		
	V_{OL}	10% VDD		
Output Load 输出负载		15pF		
Start-up Time 启动时间		10ms Max.		
Storage Temperature Range 储存温度范围		$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$		

** Inclusive of initial frequency tolerance at 25°C, operating temperature range, supply voltage change, load variation and 1st year aging.
包括在常温频率偏差, 工作温度范围的频率偏差, 首年老化率, 工作电压及负载变化造成的频率偏差。
Please consult our sales representatives for other specifications. 如对其他规格查询, 请与我司销售人员联系。

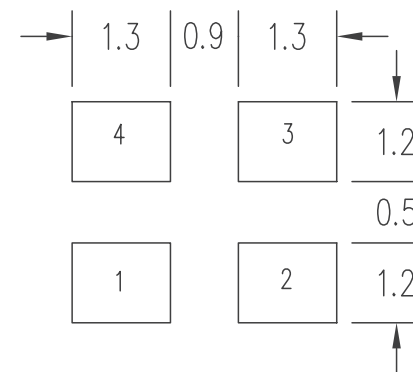
Dimensions



PIN CONNECTION

P/N	1631
1	Enable/Disable
2	GND
3	Output
4	VDD

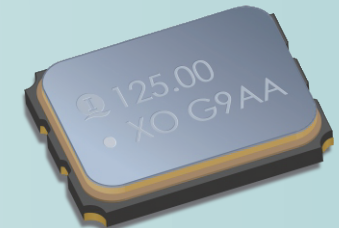
DIMENSION (mm)



SOLDERING PATTERN (mm)

All specifications are subject to change without prior notice. 本公司保留修改规格的权利。

SPXO 3225 (163-E SERIES) LVPECL Output



FEATURES

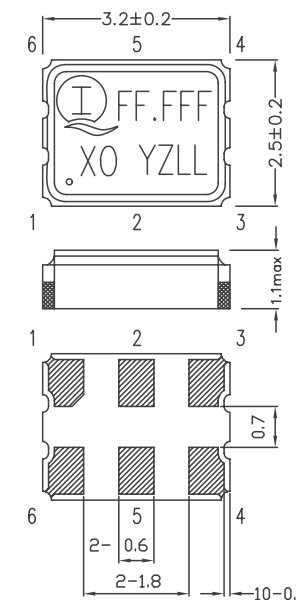
- Small size
- Excellent low phase noise and jitter
- Suitable for 5G Network terminal
- High Reliability and stability
- RoHS Compliant and Pb Free

Electrical Specifications

Parameters		Specifications	
Output Waveform 输出波型		LVPECL	
Frequency Range 频率范围		20MHz~200MHz	
Supply Voltage Range (Vdd) 工作电压范围		2.5V~3.3V	
Overall Frequency Stability 总频率偏差		$\pm 50\text{ppm}$ or specify	
Operating Temperature Range 工作温度范围		$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$, $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
Current Consumption (Idd) 消耗电流		80mA Max.	
Rise & Fall Time 上/下沿时间		1ns Max.	
Output Symmetry 输出对称性		45%~55%	
Output Voltage 输出电压	V_{OH}	Vdd-1.025V Min. Vdd-0.88V Max.	
	V_{OL}	Vdd-1.81V Min. Vdd-1.62V Max.	
Output Load 输出负载		50Ω to Vdd-2.0V	
Start-up Time 启动时间		10ms Max.	
Storage Temperature Range 储存温度范围		$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$	
Phase Jitter (12KHz~20MHz) 相位抖动		1 pSec @ 155MHz	

** Inclusive of initial frequency tolerance at 25°C, operating temperature range, supply voltage change, load variation and 1st year aging.
包括在常温频率偏差, 工作温度范围的频率偏差, 首年老化率, 工作电压及负载变化造成的频率偏差。
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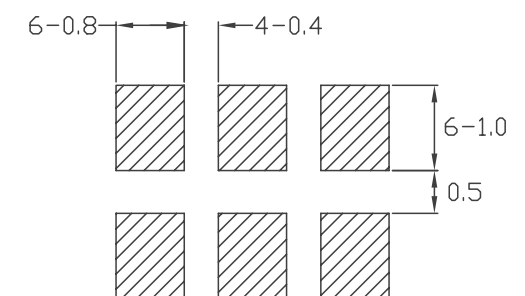
Dimensions



PIN CONNECTION

P/N	1631 LVPECL
1	Enable/Disable
2	N/C
3	GND
4	OUT
5	OUTN
6	VDD

DIMENSION (mm)



SOLDERING PATTERN (mm)

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