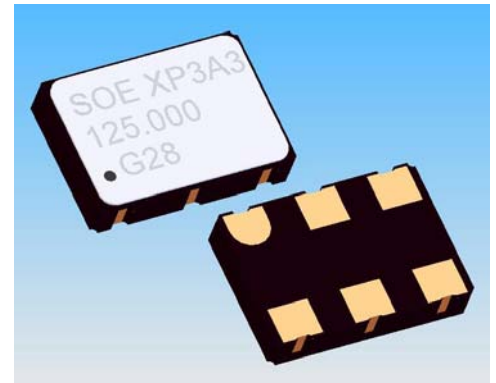


XP Type Crystal Oscillator



Features

- LVPECL differential output Clock Oscillator.
- Typical 7.0 x 5.0 x 1.6 mm ceramic metal SMD package.
- Resistance Seam welding for hermetical seal.
- Low jitter performance suited for synchronous system.
- Tape & Reel packaging for automatic assembly.
- **Lead Free and RoHS compliant**

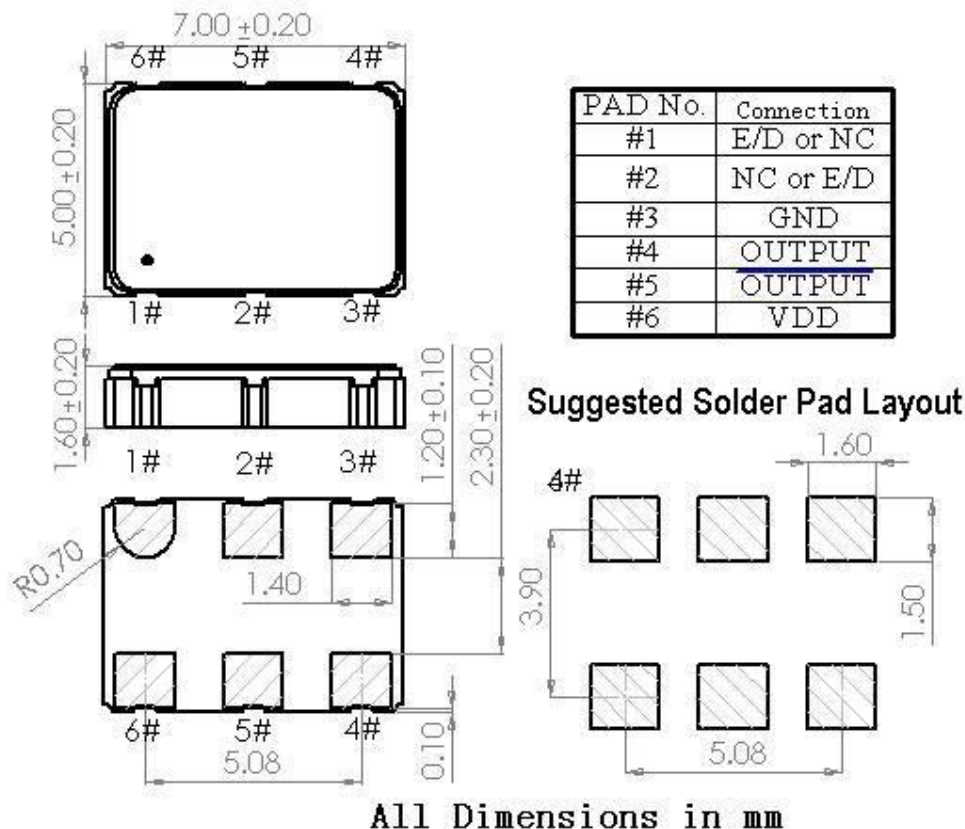
ORDERING GUIDANCE

Product Type	Supply Voltage (V)	Frequency Stability (ppm)	Operating Temp. Range (°C)	OE Pin	—	Frequency (MHz)
Code: Meaning	Code: Meaning	Code: Meaning	Code: Meaning	Code: Meaning	Dash	
XP: 7X5 SMD PECL XO	2: 2.5 3: 3.3	A: ±25 B: ±50 C: ±100 D: ±20 H: ±30	1: 0~+70 2: -40~+85 3: 0~+85 4: -20~+70 5: -10~+85 6: -10~+70	A: Pin1 B: Pin2		XXX.XXXXXX

Ordering example: XP3B1A-125.000

7x5 SMD PECL XO, 3.3V, ±50ppm, 0°C~70°C, OE pin @ pin1, 125MHz

Note: If there're any other particular requirements, they should be specified in customers' order.



Electrical Specification

Parameter	Min		Max		Unit
Supply Voltage (V_{DD}) \pm 10%	$V_{DD}=2.5V$	$V_{DD}=3.3V$	$V_{DD}=2.5V$	$V_{DD}=3.3V$	V
	2.25	2.97	2.75	3.63	
Frequency Range	1		250		MHz
Frequency Stability	Refer to Ordering Guidance (Overall condition Inclusive of calibration @ 25 °C , operating temperature change, V_{DD} variation, load variation, aging, etc.)				ppm
Operating Temperature Range	Refer to Ordering Guidance				°C
Supply Current 1MHz =<F _o <125MHz 125MHz =<F _o <250MHz	Output load 50 ohm terminated to VDD-2.0V				mA
	-		75		
	-		100		
Duty Cycle (@ 50% of wf)	45		55		%
Output High (Voh)	1.475	2.275	-	-	V
Output Low (Vol)	-	-	1.095	1.68	
Rise Time/Fall Time (tr/tf) 1MHz =<F _o <50MHz 50MHz =<F _o <250MHz	Measured between 20% to 80% of waveform.				nS
	-		1.5		
	-		1		
Output Load	50 ohm terminated to (VDD-2.0V)				
Tristate Function (To OE pin) Output Enable Output Disable	2.0	2.5	(With OE pin floating, Output enabled)		V
	-		0.5	0.5	
Start Time	-		10		mS
Phase Jitter(RMS, 12KHz to 20MHz)	-		1		pS
Storage Temperature	-55		125		°C