

RXO-232.000M-3.3V-PECL-S-k

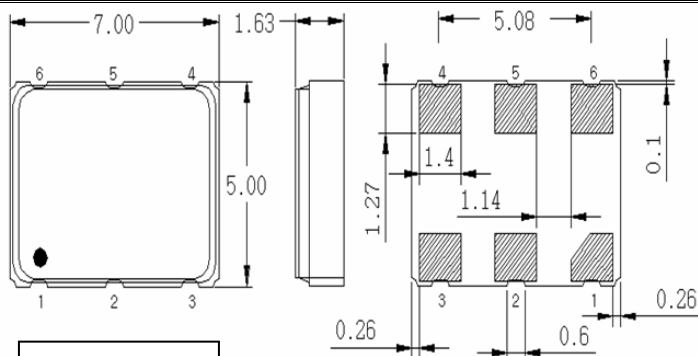
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CRYSTAL OSCILLATOR, 232.000MHz, 3.3 Volts, PECL Option, Surface Mount

PECL Output XO

PECL-XO-C63-232.000MHz

General Specifications	
Output Wave Form	Positive ECL Square Wave
Input Voltage VDD	+3.3 Vdc $\pm 5\%$
Frequency Range	232.000MHz
Frequency Tolerance (a+b+c)	$\pm 50\text{ppm}$
(a)Temperature Stability	Inclusive of Overall Stability (Operating Temperature)
(b)Input Voltage Stability	Inclusive of Overall Stability ($V_{DD} \pm 5\%$)
(c)Load Stability	Inclusive of Overall Stability ($R_L \pm 5\%$)
(d)Aging(@25 °C)	3ppm at 1 Year
Operating Temperature Range	-10 to +70 °C
Storage Temperature Range	-55 to +125 °C
Output Voltage High "1", V_{OH}	$V_{DD} - 1.025\text{Vdc Min}$
Output Voltage Low "0", V_{OL}	$V_{DD} - 1.620\text{Vdc Max}$
Current Consumption	100mA Max
Load	50 Ohms
Rise Time(T_r) & Fall Time(T_f)	0.6nS Max (20% to 80% of Waveform)
Duty Cycle	50% $\pm 5\%$ (50% of Waveform)
Phase Jitter (12KHz - 20MHz)	RMS : 3.0ps Max



Units: mm
Not to Scale

Pad 1 : Tri - state (Enable High)
Pad 2 : NC
Pad 3 : Ground
Pad 4 : Output
Pad 5 : Complementary Output
Pad 6 : VDD

Part Number Information

RXO-PECL C6 3 -10/70 T 50 - 232.00M TR

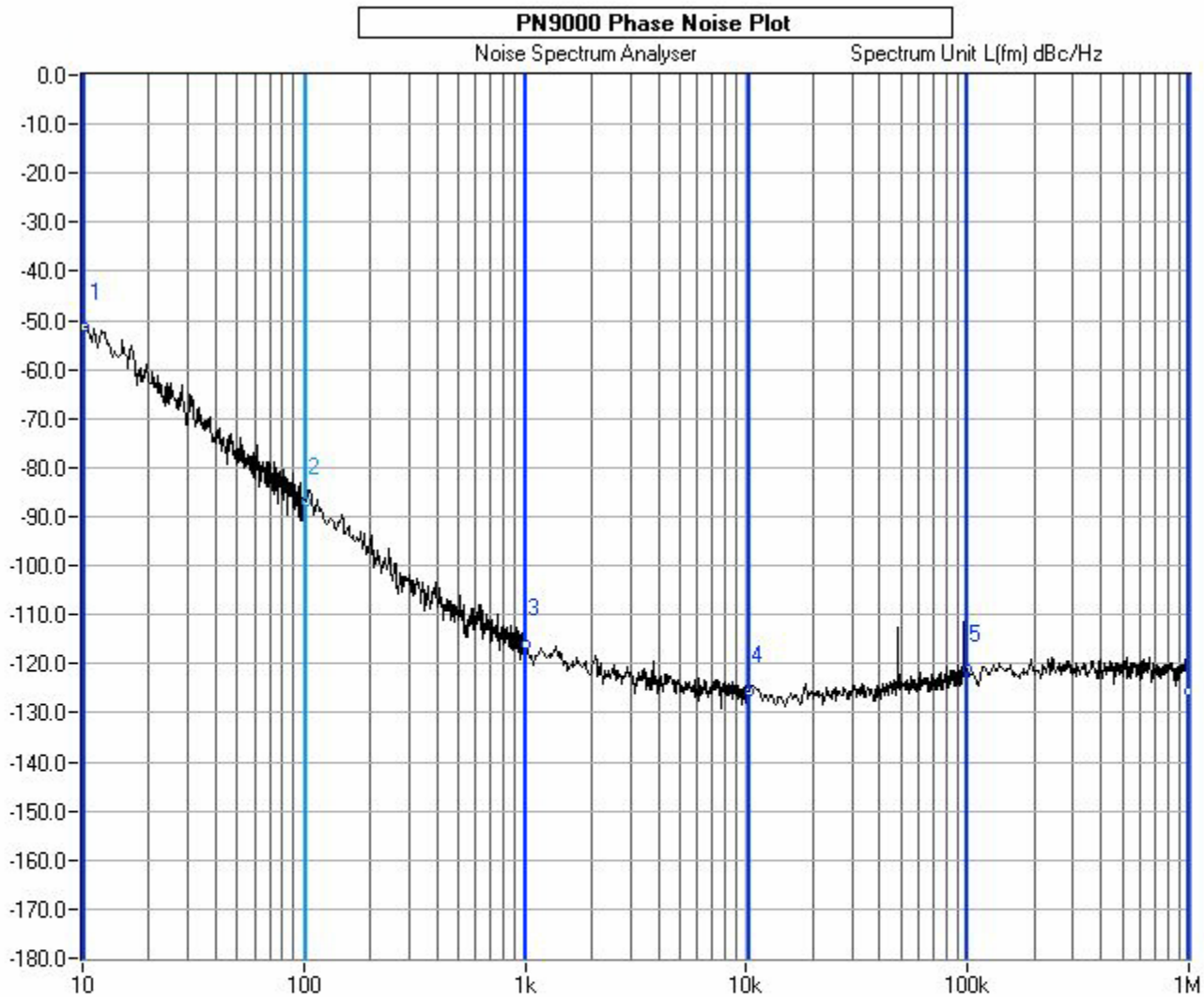
1 2 3 4 5 6 7 8

- 1) PECL XO Funda Blank Type(Multiple)
- 2) CERAMIC SMD Package 6Pad
- 3) VDD (3 : 3.3V)
- 4) Operating Temperature Range (-10/70: -10~70 °C)
- 5) Duty Cycle (D : 50 $\pm$ 10%, T : 50 $\pm$ 5%)
- 6) Frequency Stability (ppm)
(00: $\pm 100\text{PPM}$, 75: $\pm 75\text{PPM}$, 50: $\pm 50\text{PPM}$, 20: $\pm 20\text{PPM}$)
- 7) Frequency : M(MHz)
- 8) Packing Information
B = Tube , TR = Tape and Reel

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CRYSTAL OSCILLATOR, 232.000MHz, 3.3 VOLTS, PECL OPTION, SURFACE MOUNT



Mkr1 : 10Hz -51.2dBc
Mkr2 : 102Hz -87.1dBc
Mkr3 : 1.0kHz -116.2dBc
Mkr4 : 10.2kHz -125.7dBc
Mkr5 : 100.1kHz -121.0dBc
Mkr6 : 1.0000MHz -125.7dBc

Comment : PECL

Tuesday, September 23, 2003 11:49 AM

Configuration of : #1001-210MHz

Phase
Kphi : 0.145
DUT Freq. : 210.001409MHz
Loop BW : 136.7Hz
Tune Slope : 50.0Hz/V
Offset Ref : 0.0dB
Ref Spurs : 10.0dB

SN : 02F04A0427 calibrated : 27/06/2002