(V) OX Series: (Voltage-Controlled) Oven Controlled Crystal Oscillators

10.000 ~ 40.000MHz

SPECIFICATION

Frequency Range		10.000 ~ 40.000MHz		
Input Voltage (VDD)		+3.3V , +5V		
Operation Temperature		-20°C ~ +70°C Typical , (-40°C ~ +85°C Available)		
Square Wave Output	Duty Cycle	45 ~ 55% measured at 50% V _{DD}		
	Rise Time & Fall Time	10ns max. (90% ←→ 10%) Vpp		
	Load	15pF		
Clipped Sine Wave Output	Load	10KΩ // 10pF		
	Vpp	0.8Vp-p min.		
Voltage Control	Control Voltage Range	3.3V	5V	
		1.65V±1.65V	2.5V±2.5V	
	Pulling Range	±0.5PPM min.		
	Input Impedance	50KΩ min.		
Frequency Stability		±0.01 ~ ±100PPB		
Warm-up		3 min. at 25°C max.		
Power Dissipation		1.0W at steady-state at 25°C , 2.5W at turn on		
Aging at 25°C		±100PPB max. in the 1st year		

PART NUMBERING

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Packing Code	Input Voltage	Output Code	Operation Temperature	Frequency	Stability
Through-Hole Type: 51515: 50.8x50.8x15.0(H)mm,5P 36275: 36.3x27.2x12.7(H)mm,5P 25255: 25.4x25.4x12.7(H)mm,5P 21215: 20.6x20.6x11.0(H)mm,5P 20134: 20.3x12.7x11.0(H)mm,4P SMD Type: 14106: 14.3x9.3x8.0H)mm,6P 10084: 9.7x7.5x3.9(H)mm,4P	3.3:3.3V 5:5V	C:CLipped Sine Wave S:Sine Wave T:CMOS Square Wave	1:-10~+60°C Blank:-10~+70°C 2:-20~+70°C 27:-20~+75°C 28:-20~+85°C 37:-30~+85°C 3:-30~+85°C 1:-40~+85°C A:-40~+105°C B:-40~+125°C C:-55~+125°C D:-40~+150°C	In MHz	0.01: ±0.01PPB 0.05: ±0.05PPB 0.1: ±0.1PPB 0.2: ±0.2PPB 0.3: ±0.3PPB 0.5: ±0.5PPB 1: ±1.0PPB 5: ±5.0PPB 10: ±10.0PPB 50: ±50.0PPB
	Through-Hole Type: 51515: 50.8x50.8x15.0(H)mm,5P 36275: 36.3x27.2x12.7(H)mm,5P 25255: 25.4x25.4x12.7(H)mm,5P 21215: 20.6x20.6x11.0(H)mm,5P 20134: 20.3x12.7x11.0(H)mm,4P SMD Type: 14106: 14.3x9.3x8.0H)mm,6P	Through-Hole Type: 3.3 : 3.3V 51515 : 50.8x50.8x15.0(H)mm,5P 36275 : 36.3x27.2x12.7(H)mm,5P 25255 : 25.4x25.4x12.7(H)mm,5P 21215 : 20.6x20.6x11.0(H)mm,5P 20134 : 20.3x12.7x11.0(H)mm,4P SMD Type: 14106 : 14.3x9.3x8.0H)mm,6P	Through-Hole Type: 3.3:3.3V C:CLipped Sine Wave 51515:50.8x50.8x15.0(H)mm,5P 5:5V S:Sine Wave 36275:36.3x27.2x12.7(H)mm,5P 25255:25.4x25.4x12.7(H)mm,5P 21215:20.6x20.6x11.0(H)mm,5P 20134:20.3x12.7x11.0(H)mm,4P SMD Type: 14106:14.3x9.3x8.0H)mm,6P	Through-Hole Type: 3.3 : 3.3V C : CLipped Sine Wave 1:-10~+60°C 51515 : 50.8x50.8x15.0(H)mm,5P 5 : 5V S : Sine Wave Blank : -10~+70°C 25255 : 25.4x25.4x12.7(H)mm,5P 27 : -20~+75°C 21215 : 20.6x20.6x11.0(H)mm,5P 28 : -20~+85°C 20134 : 20.3x12.7x11.0(H)mm,4P 37 : -30~+75°C 3 : -30~+85°C 3 : -30~+85°C 14106 : 14.3x9.3x8.0H)mm,6P 1 : -40~+85°C 10084 : 9.7x7.5x3.9(H)mm,4P	Through-Hole Type: 3.3:3.3V C: CLipped Sine Wave 1:-10~+60°C In MHz 51515:50.8x50.8x15.0(H)mm,5P 5:5V S: Sine Wave Blank:-10~+70°C 36275:36.3x27.2x12.7(H)mm,5P 7: CMOS Square Wave 2:-20~+70°C 25255:25.4x25.4x12.7(H)mm,5P 27:-20~+75°C 21215:20.6x20.6x11.0(H)mm,5P 28:-20~+85°C 20134:20.3x12.7x11.0(H)mm,4P 37:-30~+75°C SMD Type: 38:-30~+85°C 14106:14.3x9.3x8.0H)mm,6P 1:-40~+85°C 10084:9.7x7.5x3.9(H)mm,4P A:-40~+105°C B:-40~+125°C C:-55~+125°C D:-40~+150°C

DIMENSIONS (UNIT : mm)

