YIC OCXO & VCOCXO (OX10084 / VOX10084 Series)

(V) OX Series : (Voltage-Controlled) Oven Controlled Crystal Oscillators 10.000 ~ 40.000MHz

● SPECIFICATION

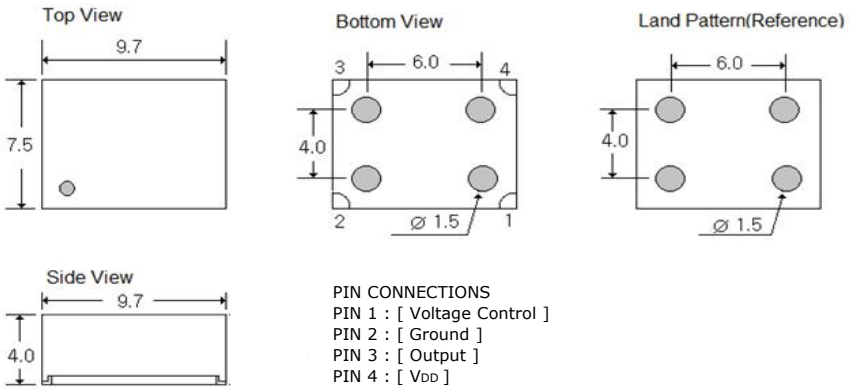
Frequency Range		10.000 ~ 40.000MHz	
Input Voltage (V_{DD})		+3.3V , +5V	
Operation Temperature		-20°C ~ +70°C Typical , (-40°C ~ +85°C Available)	
Square Wave Output	Duty Cycle	45 ~ 55% measured at 50% V_{DD}	
	Rise Time & Fall Time	10ns max. (90% ←→ 10%) V_{DD}	
	Load	15pF	
Clipped Sine Wave Output	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

OX
VOX

Packing Code	Input Voltage	Output Code	Operation Temperature	Frequency	Stability
OX : OCXO VOX : VCOCXO	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~+75°C 3 : -30~+80°C 38 : -30~+85°C I : -40~+85°C A : -40~+105°C B : -40~+125°C C : -55~+125°C D : -40~+150°C X : Custom	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 20 : ±20.0PPB 50 : ±50.0PPB 100 : ±100.0PPB

● DIMENSIONS (UNIT : mm)



PIN CONNECTIONS
PIN 1 : [Voltage Control]
PIN 2 : [Ground]
PIN 3 : [Output]
PIN 4 : [V_{DD}]