

# YIC VCXO (VX Series)

VX Series : Voltage - Controlled Crystal Oscillator

1.000 ~ 200.000MHz

## ● SPECIFICATION

Frequency Range	1.000 - 200.000MHz
Input Voltage (VDD)	1.8V,3.0V,3.3V,5.0V
Frequency Stability	±25,±50,±100PPM
Operating Temperature	-10°C~+70°C typical, -40°C~+85°C Available
Storage Temperature	-40°C~+85°C
Output Voltage	V <sub>OH</sub> =0.9V <sub>DDmin</sub> , V <sub>OL</sub> =0.1V <sub>DDmax</sub>
Symmetry	40 - 60% Typical
Pulling Range	±30PPM~±200PPM(Optional, See Below)
Output Load	10 TTL/15pF Typical
Star-up Time	10nSec.max
Rise/Fall Time	10 ns , max ( 5 ns .Typical )
Current Consumption	15~45mA max
Linearity	10 % max
Aging	±5PPM/year

## ● PART NUMBERING

VX	Package Code	Input Voltage	Operation Temperature	Pulling Range	Frequency	Stability	Custom Speci.
	SMD Type: 756:7.0x5.0x1.8 (H)mm ,6P 534:5.0x3.2x1.2 (H)mm ,4P 536:5.0x3.2x1.2 (H)mm ,6P 324:3.2x2.5x1.0 (H)mm ,4P 326:3.2x2.5x1.0 (H)mm ,6P Through Hole Type: F:Full Size, 20.3x12.8x5.3 (H)mm H:Half Size, 12.8x12.8x5.3 (H)mm	1.8 : 1.8V 3 : 3V 3.3 : 3.3V 5 : 5V	1 : -10 ~ + 60°C Blank : -10 ~ + 70°C 2 : -20 ~ + 70°C 28 : -20 ~ + 85°C 3 : -30 ~ + 70°C 38 : -30 ~ + 85°C I : -40 ~ + 85°C A : -40 ~ + 105°C B : -40 ~ + 125°C C : -55 ~ + 125°C X : Custom	A : ± 30PPM B : ± 50PPM C : ± 100PPM D : ± 200PPM	In MHz	10 : ± 10PPM 25 : ± 25PPM 50 : ± 50PPM 100 : ± 100PPM	*