

# 3.3V, HCMOS, Thru-Hole VCXO



Model: VCXO-DLF

RoHS Compliant / Pb Free

Rev. 9/19/2006

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## FEATURES

- 3.3V Operation
- HCMOS Output
- Low Power Consumption
- Rugged Resistance Weld

## OPTIONS

- Many Stability/Pullability Options
- -40°C ~ +85°C Option ('RLF' Version)
- 1/2 Size Version Available

## • PART NUMBER SELECTION [Learn More](#) - Internet Required

Part Number	Model Number	Frequency Stability <sup>1</sup>	APR <sup>1</sup> (Min)	Operating Temperature	Frequency Range (MHz)
459-Frequency-xxxxx	VCXO-D3LF	±50PPM	±100PPM	-10 ~ +70 (°C)	1.000 ~ 40.500
463-Frequency-xxxxx	VCXO-D3RLF	±50PPM	±100PPM	-40 ~ +85 (°C)	1.000 ~ 40.500
460-Frequency-xxxxx	VCXO-D4LF	±25PPM	±100PPM	-10 ~ +70 (°C)	1.000 ~ 40.500
671-Frequency-xxxxx	VCXO-D4RLF	±25PPM	±100PPM	-40 ~ +85 (°C)	1.000 ~ 40.500
461-Frequency-xxxxx	VCXO-D7LF	±25PPM	±50PPM	-10 ~ +70 (°C)	1.000 ~ 40.500
462-Frequency-xxxxx	VCXO-D8LF	±100PPM	±100PPM	-10 ~ +70 (°C)	1.000 ~ 40.500
464-Frequency-xxxxx	VCXO-D8RLF	±100PPM	±100PPM	-40 ~ +85 (°C)	1.000 ~ 40.500

## • ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.000 ~ 40.500 <sup>2</sup> MHz
Storage Temperature Range (T <sub>STG</sub> )	-55°C ~ +125°C
Supply Voltage (V <sub>DD</sub> )	3.3V ± 5%
Control Voltage (V <sub>c</sub> )	1.65V ± 1.65V
Input Current (I <sub>DD</sub> )	
1.000 ~ 24.000 MHz	10mA
24.000+ ~ 35.000 MHz	15mA
35.000+ ~ 40.500 MHz	25mA
Output Symmetry (50% V <sub>DD</sub> )	40% ~ 60%
Rise Time (10% ~ 90% V <sub>DD</sub> ) (T <sub>R</sub> )	10nS
Fall Time (90% ~ 10% V <sub>DD</sub> ) (T <sub>F</sub> )	10nS
Output Voltage (V <sub>OL</sub> )	10% V <sub>DD</sub>
(V <sub>OH</sub> )	90% V <sub>DD</sub> Min
Output Current (I <sub>OL</sub> )	4.0mA Min
(I <sub>OH</sub> )	-1.0mA Min
Output Load (HCMOS)	15pF
Start-up Time (T <sub>s</sub> )	10mS
Frequency Linearity	±10%

<sup>1</sup> Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, vibration, and V<sub>c</sub> = 1.65V.

<sup>2</sup> Higher frequencies available on an individual inquiry basis.

All specifications subject to change without notice.

