

TTL 5.0V Oscillator



Model: F1100ELF

RoHS Compliant / Pb Free

Rev. 9/18/2006

http://www.foxonline.com/need_a_sample.htm



| • PART NUMBER SELECTION Learn More - Internet Required | | | | |
|--|--------------|----------------------------------|----------------------------|-----------------------|
| Part Number | Model Number | Frequency Stability ¹ | Operating Temperature (°C) | Frequency Range (MHz) |
| 049LF-Freq-xxxxx | F1100ELF | ±100PPM(STD) | 0 ~ +70 | 1.000 ~ 100.000 |
| 343LF-Freq-xxxxx | F1100ERLF | ±100PPM | -40 ~ +85 | 1.000 ~ 100.000 |
| 060LF-Freq-xxxxx | F1145ELF | ±50PPM | 0 ~ +70 | 1.000 ~ 100.000 |
| 061LF-Freq-xxxxx | F1145ERLF | ±50PPM | -40 ~ +85 | 1.000 ~ 70.000 |
| 055LF-Freq-xxxxx | F1144ELF | ±25PPM | 0 ~ +70 | 1.000 ~ 100.000 |
| 465LF-Freq-xxxxx | F1144ERLF | ±25PPM | -40 ~ +85 | 1.000 ~ 70.000 |

| • ELECTRICAL CHARACTERISTICS | |
|---|------------------------------|
| PARAMETERS | MAX (unless otherwise noted) |
| Frequency Range (Fo) | 1.000 ~ 100.000 MHz |
| Storage Temperature Range (T _{STG}) | -55°C ~ +125°C |
| Supply Voltage (V _{DD}) | 5.0V ± 10% |
| Input Current (I _{DD}) | |
| 1.000 ~ 8.000 MHz | 15mA |
| 8.000+ ~ 24.000 MHz | 30mA |
| 24.000+ ~ 70.000 MHz | 70mA |
| 70.000+ ~ 100.000 MHz | 80mA |
| Output Symmetry (1.4V Level) | |
| 1.000 ~ 8.000 MHz | 45% ~ 55% |
| 8.000+ ~ 100.000 MHz | 40% ~ 60% |
| Rise Time (0.5V ~ 2.4V) (T _R) | |
| 1.000 ~ 25.000 MHz | 10 nS |
| 25.000+ ~ 70.000 MHz | 5 nS |
| 70.000+ ~ 100.000 MHz | 4 nS |
| Fall Time (2.4V ~ 0.5V) (T _F) | |
| 1.000 ~ 25.000 MHz | 10 nS |
| 25.000+ ~ 70.000 MHz | 5 nS |
| 70.000+ ~ 100.000 MHz | 4 nS |
| Output Voltage | |
| 1.000 ~ 25.000 MHz (V _{OL}) | 0.4V |
| 25.000+ ~ 100.000 MHz | 0.5V |
| 1.000 ~ 100.000 MHz (V _{OH}) | 2.4V Min |
| Output Current (I _{OL}) | 20mA Min |
| (I _{OH}) | -1.0mA Min |
| Output Load | 10TTL |
| Start-up Time (T _s) | |
| 1.000 ~ 3.500 MHz | 20mS |
| 3.500+ ~ 4.000 MHz | 35mS |
| 4.000+ ~ 6.000 MHz | 30mS |
| 6.000+ ~ 20.000 MHz | 20mS |
| 20.000+ ~ 100.000 MHz | 15mS |

¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

All specifications subject to change without notice.

Learn more about:
[Part Marking Identification](#)
[Mechanical Specification](#)

Internet required

