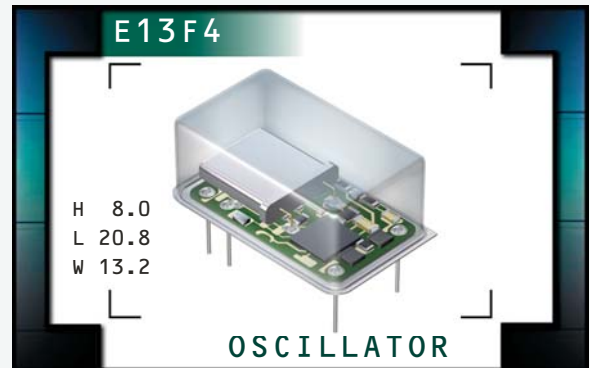


E13F4 Series

- LVPECL Output Oscillators
- 3.3V supply voltage
- 14 pin DIP package (5 pin)
- Stability to 20ppm
- Output Enable/Disable available
- Complementary Output available



NOTES

ELECTRICAL SPECIFICATIONS

Frequency Range		19.440MHz to 212.500MHz
Operating Temperature Range		0°C to 70°C or -40°C to 85°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage (V_{CC})		3.3V _{DC} ±5%
Input Current		75mA Maximum
Logic Type		100KH
Frequency Tolerance / Stability	Inclusive of Operating Temp Range, Supply Voltage, Load, and Aging @25°C over 10 years	±100ppm, ±50ppm, ±25ppm, or ±20ppm Maximum
Output Voltage Logic High (V_{OH})		V _{CC} -1.025V _{DC} Minimum
Output Voltage Logic Low (V_{OL})		V _{CC} -1.620V _{DC} Maximum
Rise Time / Fall Time	20% to 80% of waveform	2 nSeconds Maximum
Duty Cycle	at 50% of waveform	50 ±10(%) 50 ±5(%)
Load Drive Capability		50 Ohms into V _{CC} -2.0V _{DC}
Logic Control / Additional Output		No Connect, Enable/Disable, Complementary Output, or Complementary Output and Enable/Disable
Enable/Disable Input Voltage	V _{IL} of V _{CC} -1.475V _{DC} Maximum No Connection V _{IH} of V _{CC} -1.165V _{DC} Minimum	Enables Output Enables Output Disables Output: Logic Low Disables Complementary Output: Logic High
Start Up Time		10 mSeconds Maximum
RMS Phase Jitter	FJ = 12kHz to 20MHz	1 pSec Maximum

MANUFACTURER ECLIPTEK CORP.	CATEGORY OSCILLATOR	SERIES E13F4	PACKAGE 14 pin DIP	VOLTAGE 3.3V	CLASS OS85	REV. DATE 03/02
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