

**Fast Logic**  
**Gated-Delay Line Oscillator**

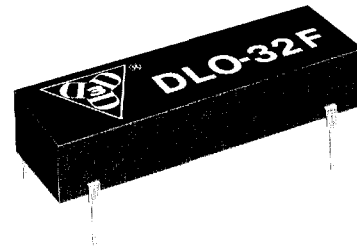
**SERIES: DLO-32F**

**2-Phase**  
**14 pins DIP**  
**TTL Interfaced**



**Features:**

- Auto-insertable.
- TTL interfaced.
- Continuous or keyable wavetrain.
- Locked synchronization achieved with random gating signal.
- 14 pins DIP package.
- Low profile module.
- Available from 2 MHz to 40 MHz frequencies.
- Complimentary outputs.



**Specifications:**

- Frequencies: See table; others on request.
- Tolerance:  $\pm 2\%$ .
- Temperature coefficient: 100 PPM/ $^{\circ}\text{C}$ .
- Operating temperature:  $0^{\circ}\text{--}70^{\circ}\text{C}$ .
- Supply voltage: 5 Vdc  $\pm 5\%$ .
- Supply current: 40 ma. typ. (7 ma with  $\bar{E}_0$  high).
- Storage temperature:  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ .
- Inherent delay ( $T_{\text{D0}}$ ): 4 ns typ.
- Pulse skewing = 2.5 ns max.
- DC parameters: See TTL-Fast Schottky Logic Table on Page 6.

Part Number	Frequency	Part Number	Frequency
DLO-32F-2	2 MHz	DLO-32F-10	10 MHz
DLO-32F-2.5	2.5 MHz	DLO-32F-11	11 MHz
DLO-32F-3	3 MHz	DLO-32F-12	12 MHz
DLO-32F-3.5	3.5 MHz	DLO-32F-13	13MHz
DLO-32F-4	4 MHz	DLO-32F-14	14 MHz
DLO-32F-4.5	4.5 MHz	DLO-32F-15	15 MHz
DLO-32F-5	5 MHz	DLO-32F-20	20 MHz
DLO-32F-5.5	5.5 MHz	DLO-32F-25	25 MHz
DLO-32F-6	6 MHz	DLO-32F-30	30 MHz
DLO-32F-7	7 MHz	DLO-32F-35	35 MHz
DLO-32F-8	8 MHz	DLO-32F-40	40 MHz
DLO-32F-9	9 MHz		

