

Fast Logic

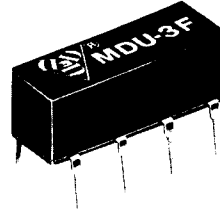
Multiple Digital Delay Units

SERIES: MDU-3F
(14 pins DIP) TTL Interfaced



Features:

- Auto-insertable.
- Completely interfaced for TTL & DTL application.
- P.C. board space economy achieved.
- Fits standard 14 pins DIP socket.
- 3 equal delay units/package.



Specifications:

- Delay tolerance: $\pm 5\%$ or 2 ns whichever is greater.
- Rise-time: 2 ns typically.
- Temperature coefficient: 100 PPM/ $^{\circ}\text{C}$.
- Temperature range: 0° to $+70^{\circ}\text{C}$.
- Input pulse width: Min. 100% of total delay.
- Input rep. rate = Min. $3 \times$ pulse width.
- Supply voltage: 5 Vdc $\pm 5\%$.
- Supply Current:
 - I_{CC1} : 74 ma.
 - I_{CC2} : 14 ma.
- DC parameters: See TTL-Fast Schottky Logic Table on Page 6.

Test Conditions:

- Input Pulse Width: $>150\%$ of total delay.
- Time delay measured @ 1.5 V on rising edge.
- Rise-time is measured from .75 V to 2.4 V of leading time.
- All measurements made @ $V_{CC} = 5\text{V}$; $T_A = +25^{\circ}\text{C}$, no loads on taps.

Part No.	Delay Per Line (ns)
MDU-3F-5	5
MDU-3F-10	10
MDU-3F-15	15
MDU-3F-20	20
MDU-3F-25	25
MDU-3F-30	30
MDU-3F-35	36
MDU-3F-40	40
MDU-3F-45	45
MDU-3F-50	50
MDU-3F-60	60
MDU-3F-75	75
MDU-3F-100	100

Other delay times available on request.

