

Fast Logic Digital Delay Unit

SERIES: **DDU-222F**

8 pins SIP
T²L Interfaced

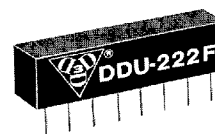
**data
delay
devices, inc.**

Features:

- Very thin unit.
- TTL input and outputs.
- SIP package.
- Economical.

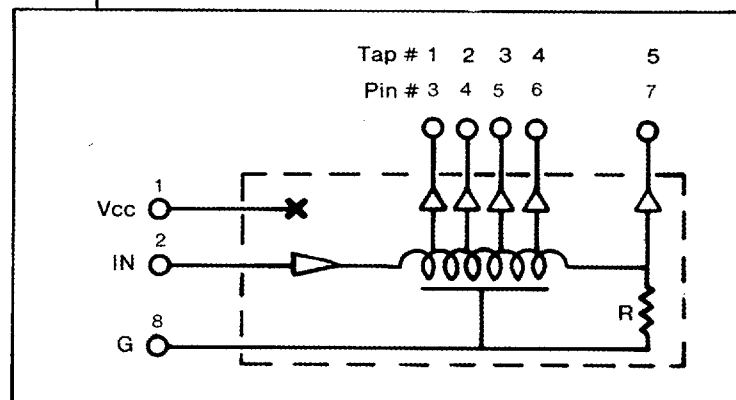
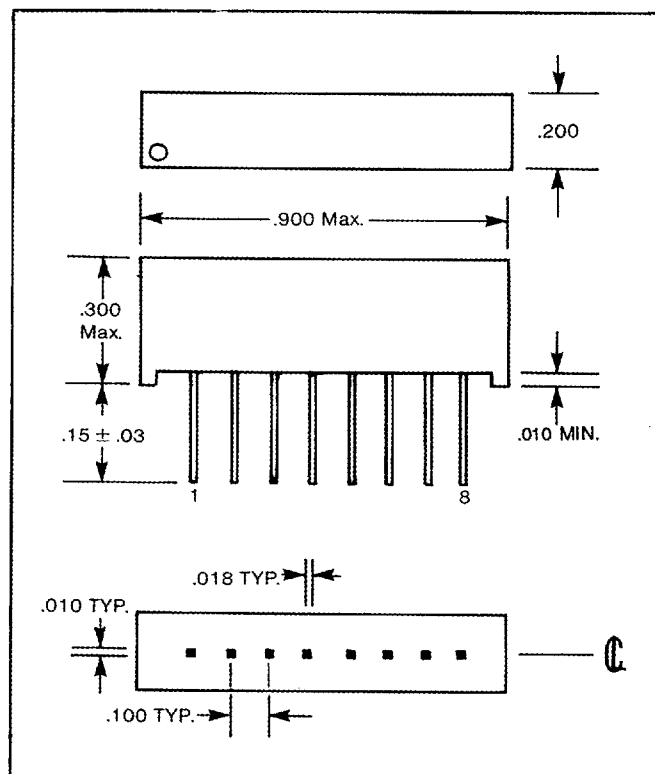
Specifications:

- Outputs: 5, equally spaced.
- Delay tolerance: see table.
- Rise-time: 2 ns typ.
- Minimum pulse width: 40% of total delay.
- Temperature range: 0° C to + 70° C.
- Temperature coefficient: 100 PPM/°C.
- Supply voltage: 4.75 to 5.25 Vdc.
- Supply current:
 - I_{CC}L: 32 ma.
 - I_{CC}H: 7 ma.
- DC parameters: See TTL-Fast Schottky Logic on Page 6.



Part No.	Total Delay (ns)	Tap Delay (ns)
*DDU-222F-4	4 ± 1	1 ± 0.5
*DDU-222F-6	6 ± 1	1.5 ± 0.5
*DDU-222F-8	8 ± 2	2 ± 1
*DDU-222F-10	10 ± 2	2.5 ± 1
*DDU-222F-12	12 ± 2	3 ± 1
*DDU-222F-16	16 ± 2	4 ± 1.5
DDU-222F-25	25 ± 3	5 ± 2
DDU-222F-30	30 ± 3	6 ± 2
DDU-222F-35	35 ± 3	7 ± 2
DDU-222F-40	40 ± 3	8 ± 2
DDU-222F-45	40 ± 3	9 ± 3
DDU-222F-50	50 ± 3	10 ± 3
DDU-222F-60	60 ± 3	12 ± 3
DDU-222F-75	75 ± 4	15 ± 3
DDU-222F-100	100 ± 5	20 ± 3
DDU-222F-125	125 ± 6.5	25 ± 3
DDU-222F-150	150 ± 7.5	30 ± 3
DDU-222F-175	175 ± 8	35 ± 4
DDU-222F-200	200 ± 10	40 ± 4
DDU-222F-250	250 ± 12.5	50 ± 5

*Time delay measured with respect to 1st tap.
3.5 ns ± 1 ns inherent delay.



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