

# FAST / TTL Buffered Dual / Triple / Quad Delays DIP & SMD

**Part Number Description**      **XXXXX - XXX X**

Logic Buffered Multi-Independent  
Delay Molded Package Series:  
FAM2D, FAI3D, FAM3D, FAI4D  
AM2D, AI3D, AM3D, AI4D

Delay Per Line in nanoseconds (ns)

Lead Style: Blank = Auto-Insertable DIP  
G = "Gull Wing" Surface Mount  
J = "J" Bend Surface Mount

Examples: FAM2D-4 = 4ns Dual 74F Buffered, DIP  
AM3D-25G = 25ns Triple TTL, G-SMD

**GENERAL:** For Operating Specifications and Test Conditions, see Tables I and VII on page 7 of this catalog. Delays Specified for the Leading Edge.

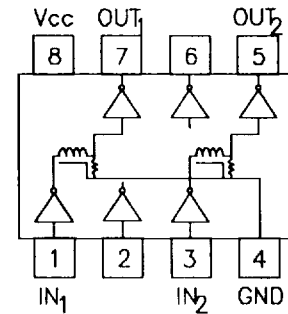
Minimum Input Pulse Width ..... 100% of total delay  
Temperature Coefficient ..... 800ppm/°C typical  
Supply Current, I<sub>cc</sub> :

AI3D, AM3D ..... 60 mA typ., 120 mA max.  
FAI3D, FAI3D ..... 45 mA typ., 95 mA max.  
AM2D ..... 52 mA typ., 85 mA max.  
FAM2D ..... 32 mA typ., 65 mA max.  
AI4D ..... 105 mA typ., 150 mA max.  
FAI4D ..... 65 mA typ., 130 mA max.

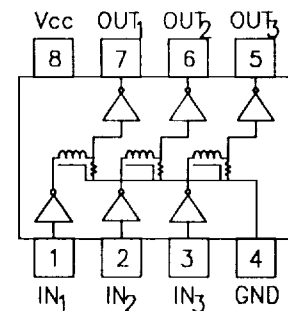
Electrical Specifications at 25°C

Delay Tolerance (ns)	FAST Buffered - Independent Duals / Triples / Quads			
	Dual 8 Pin P/N	Triple 8 Pin P/N	Triple 14 Pin P/N	Quadruple 14 Pin P/N
4 ± 0.7	FAM2D-4	FAM3D-4	FAI3D-4	FAI4D-4
5 ± 0.8	FAM2D-5	FAM3D-5	FAI3D-5	FAI4D-5
6 ± 1.0	FAM2D-6	FAM3D-6	FAI3D-6	FAI4D-6
7 ± 1.0	FAM2D-7	FAM3D-7	FAI3D-7	FAI4D-7
8 ± 1.0	FAM2D-8	FAM3D-8	FAI3D-8	FAI4D-8
9 ± 1.0	FAM2D-9	FAM3D-9	FAI3D-9	FAI4D-9
10 ± 1.5	FAM2D-10	FAM3D-10	FAI3D-10	FAI4D-10
11 ± 1.5	FAM2D-11	FAM3D-11	FAI3D-11	FAI4D-11
12 ± 1.5	FAM2D-12	FAM3D-12	FAI3D-12	FAI4D-12
13 ± 1.5	FAM2D-13	FAM3D-13	FAI3D-13	FAI4D-13
14 ± 1.5	FAM2D-14	FAM3D-14	FAI3D-14	FAI4D-14
15 ± 2.0	FAM2D-15	FAM3D-15	FAI3D-15	FAI4D-15
16 ± 2.0	FAM2D-16	FAM3D-16	FAI3D-16	FAI4D-16
20 ± 2.0	FAM2D-20	FAM3D-20	FAI3D-20	FAI4D-20
22 ± 2.0	FAM2D-22	FAM3D-22	FAI3D-22	FAI4D-22
25 ± 2.0	FAM2D-25	FAM3D-25	FAI3D-25	FAI4D-25
30 ± 2.0	FAM2D-30	FAM3D-30	FAI3D-30	FAI4D-30
35 ± 2.0	FAM2D-35	FAM3D-35	FAI3D-35	FAI4D-35
40 ± 2.0	FAM2D-40	FAM3D-40	FAI3D-40	FAI4D-40
45 ± 2.25	FAM2D-45	FAM3D-45	FAI3D-45	FAI4D-45
50 ± 2.5	FAM2D-50	FAM3D-50	FAI3D-50	FAI4D-50

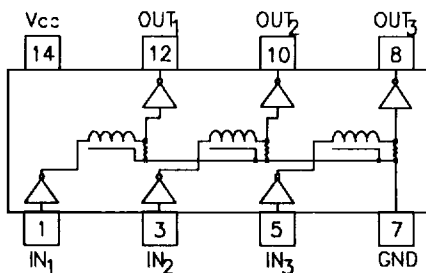
Dual - 8 Pin Schematic



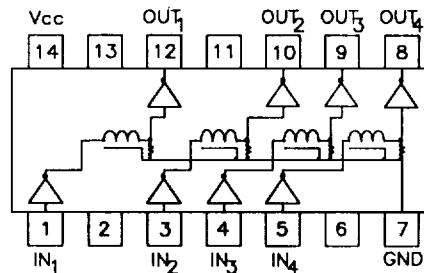
Triple - 8 Pin Schematic



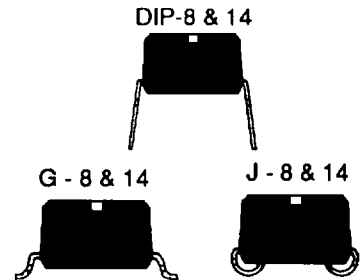
Triple - 14 Pin Schematic



Quad - 14 Pin Schematic



8 & 14 Pin Molded Packages,  
See pg. 30



For other values & Custom Designs, contact factory.

Specifications subject to change without notice.