

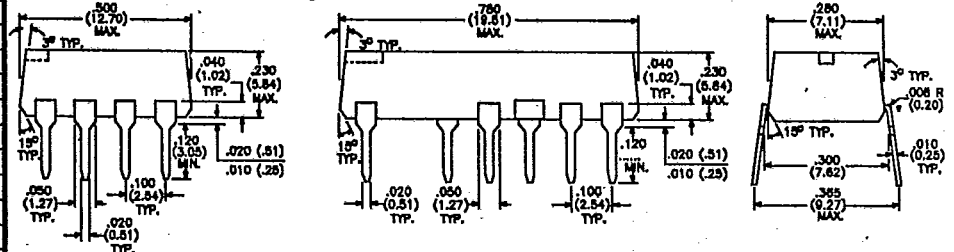
# FAST & SCHOTTKY TTL BUFFERED DELAY MODULES

## 5-TAP AUTO-INSERT, SURFACE MOUNT DIPS .. AIDM, FAIDM, AMDM, FAMDM SERIES

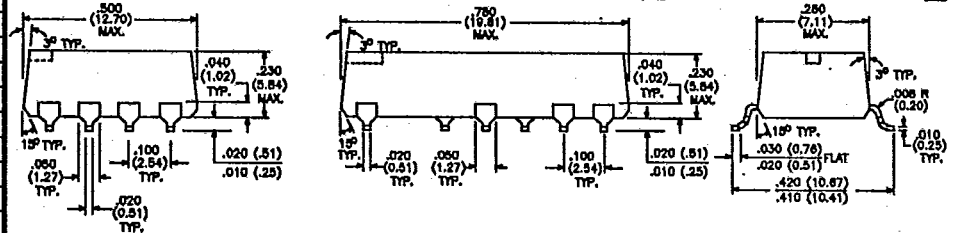
| 5-TAP PART NUMBERS |            | OUTPUT<br>DELAY (ns) | TAPS<br>(ns) |
|--------------------|------------|----------------------|--------------|
| 14-PIN             | 8-PIN      |                      |              |
| **FAIDM-8          | **FAMDM-8  | 8 ± 1.00             | 1 ± 0.5      |
| **AIDM-9           | **AMDM-9   | 9 ± 1.00             | 1 ± 0.5      |
| **FAIDM-12         | **FAMDM-12 | 12 ± 1.00            | 2 ± 1.0      |
| **AIDM-13          | **AMDM-13  | 13 ± 2.00            | 2 ± 1.0      |
| **FAIDM-16         | **FAMDM-16 | 16 ± 1.00            | 3 ± 1.0      |
| **AIDM-17          | **AMDM-17  | 17 ± 2.00            | 3 ± 1.0      |
| AIDM-25            | AMDM-25    | 25 ± 2.00            | 5 ± 2.0      |
| AIDM-30            | AMDM-30    | 30 ± 2.00            | 6 ± 2.0      |
| AIDM-35            | AMDM-35    | 35 ± 2.00            | 7 ± 2.0      |
| AIDM-40            | AMDM-40    | 40 ± 2.00            | 8 ± 2.0      |
| AIDM-45            | AMDM-45    | 45 ± 2.25            | 9 ± 2.0      |
| AIDM-50            | AMDM-50    | 50 ± 2.50            | 10 ± 2.0     |
| AIDM-60            | AMDM-55    | 60 ± 3.00            | 12 ± 2.0     |
| AIDM-70            | AMDM-70    | 70 ± 3.50            | 14 ± 2.0     |
| AIDM-75            | AMDM-75    | 75 ± 3.75            | 15 ± 2.5     |
| AIDM-80            | AMDM-80    | 80 ± 4.00            | 16 ± 2.5     |
| AIDM-90            | AMDM-90    | 90 ± 4.50            | 18 ± 2.5     |
| AIDM-100           | AMDM-100   | 100 ± 5.00           | 20 ± 3.0     |
| AIDM-110           | AMDM-110   | 110 ± 5.50           | 22 ± 3.0     |
| AIDM-120           | AMDM-120   | 120 ± 6.00           | 24 ± 3.0     |
| AIDM-125           | AMDM-125   | 125 ± 6.25           | 25 ± 3.0     |
| AIDM-130           | AMDM-130   | 130 ± 6.50           | 26 ± 3.0     |
| AIDM-140           | AMDM-140   | 140 ± 7.00           | 28 ± 3.0     |
| AIDM-150           | AMDM-150   | 150 ± 7.50           | 30 ± 3.0     |
| AIDM-160           | AMDM-160   | 160 ± 8.00           | 32 ± 3.2     |
| AIDM-170           | AMDM-170   | 170 ± 8.50           | 34 ± 3.4     |
| AIDM-175           | AMDM-175   | 175 ± 8.75           | 35 ± 3.5     |
| AIDM-180           | AMDM-180   | 180 ± 9.00           | 36 ± 3.6     |
| AIDM-190           | AMDM-190   | 190 ± 9.50           | 38 ± 3.8     |
| AIDM-200           | AMDM-200   | 200 ± 10.00          | 40 ± 4.0     |
| AIDM-220           | AMDM-220   | 220 ± 11.00          | 44 ± 4.4     |
| AIDM-225           | AMDM-225   | 225 ± 11.25          | 45 ± 4.5     |
| AIDM-240           | AMDM-240   | 240 ± 12.00          | 48 ± 4.8     |
| AIDM-250           | AMDM-250   | 250 ± 12.50          | 50 ± 5.0     |
| AIDM-260           | AMDM-260   | 260 ± 13.00          | 52 ± 5.2     |
| AIDM-270           | AMDM-270   | 270 ± 13.50          | 54 ± 5.4     |
| AIDM-275           | AMDM-275   | 275 ± 13.75          | 55 ± 5.5     |
| AIDM-300           | AMDM-300   | 300 ± 15.00          | 60 ± 6.0     |
| AIDM-350           | AMDM-350   | 350 ± 17.50          | 70 ± 7.0     |
| AIDM-375           | AMDM-375   | 375 ± 18.75          | 75 ± 7.5     |
| AIDM-400           | AMDM-400   | 400 ± 20.00          | 80 ± 8.0     |
| AIDM-450           | AMDM-450   | 450 ± 22.50          | 90 ± 9.0     |
| AIDM-500           | AMDM-500   | 500 ± 25.00          | 100 ± 10     |

PHYSICAL DIMENSIONS All dimensions in inches (mm)

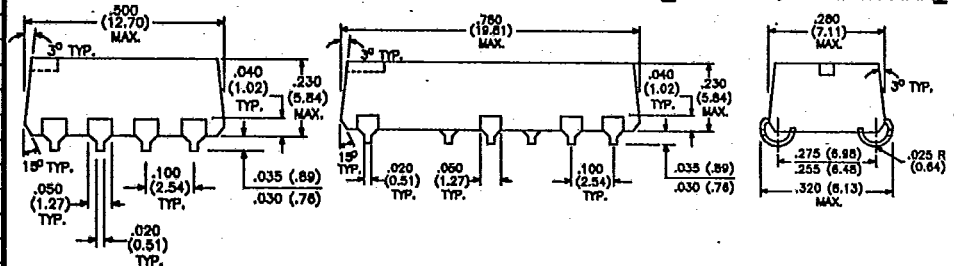
\*AUTO-INSERTABLE\* (through-hole) ..... AIDM, FAIDM-XXX : AMDM, FAMDM-XXX



\*GULL WING\* SURFACE MOUNT ..... AIDM, FAIDM-XXXG : AMDM, FAMDM-XXXG



\*J\* STYLE SURFACE MOUNT ..... AIDM, FAIDM-XXXJ : AMDM, FAMDM-XXXJ



\*\* INDICATES Delay Time measured with respect to TAP 1.

FAST TTL PART NUMBERS:

FAIDM, FAMDM

FAIDL, FAMDL

See Page 10 for Pin-Outs and schematic diagrams.

### PART NUMBER DESCRIPTION

DIP Delay Line

AI = 14-PIN STTL DIP DM = 5-TAP

AM = 8-PIN STTL DIP DL = FIXED

FAI = 14-PIN FAST TTL, FAM = 8-PIN FAST TTL

Total Delay in nanoseconds (ns)

Lead Style

Blank = Auto-Insertable (through-hole)

G = "Gull Wing" Surface Mount

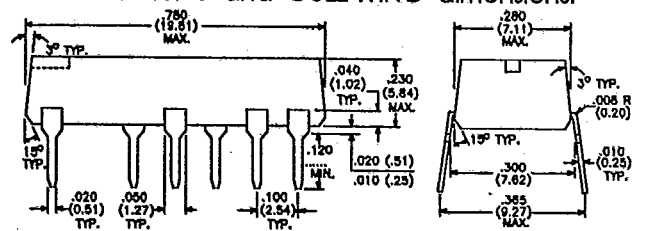
J = "J" Surface Mount

## 5-TAP DUAL EDGE CONTROLLED DIPS ..... DAIDM-XXX SERIES

| PART NUMBER | OUTPUT DELAY (ns) | TAPS (ns) | PART NUMBER | OUTPUT DELAY (ns) | TAPS (ns) |
|-------------|-------------------|-----------|-------------|-------------------|-----------|
| DAIDM-25    | 25 ± 2.00         | 5 ± 2.0   | DAIDM-110   | 110 ± 5.50        | 22 ± 3.0  |
| DAIDM-30    | 30 ± 2.00         | 6 ± 2.0   | DAIDM-115   | 115 ± 5.75        | 23 ± 3.0  |
| DAIDM-35    | 35 ± 2.00         | 7 ± 2.0   | DAIDM-120   | 120 ± 6.00        | 24 ± 3.0  |
| DAIDM-40    | 40 ± 2.00         | 8 ± 2.0   | DAIDM-125   | 125 ± 6.25        | 25 ± 3.0  |
| DAIDM-45    | 45 ± 2.25         | 9 ± 2.0   | DAIDM-130   | 130 ± 6.50        | 26 ± 3.0  |
| DAIDM-50    | 50 ± 2.50         | 10 ± 2.0  | DAIDM-135   | 135 ± 6.75        | 27 ± 3.0  |
| DAIDM-55    | 55 ± 2.75         | 11 ± 2.0  | DAIDM-140   | 140 ± 7.00        | 28 ± 3.0  |
| DAIDM-60    | 60 ± 3.00         | 12 ± 2.0  | DAIDM-145   | 145 ± 7.25        | 29 ± 3.0  |
| DAIDM-65    | 65 ± 3.25         | 13 ± 2.0  | DAIDM-150   | 150 ± 7.50        | 30 ± 3.0  |
| DAIDM-70    | 70 ± 3.50         | 14 ± 2.0  | DAIDM-175   | 175 ± 8.75        | 35 ± 3.5  |
| DAIDM-75    | 75 ± 3.75         | 15 ± 2.5  | DAIDM-200   | 200 ± 10.00       | 40 ± 4.0  |
| DAIDM-80    | 80 ± 4.00         | 16 ± 2.5  | DAIDM-225   | 225 ± 11.25       | 45 ± 4.5  |
| DAIDM-85    | 85 ± 4.25         | 17 ± 2.5  | DAIDM-250   | 250 ± 12.50       | 50 ± 5.0  |
| DAIDM-90    | 90 ± 4.50         | 18 ± 2.5  | DAIDM-300   | 300 ± 15.00       | 60 ± 6.0  |
| DAIDM-95    | 95 ± 4.75         | 19 ± 2.5  | DAIDM-325   | 325 ± 16.25       | 65 ± 6.5  |
| DAIDM-100   | 100 ± 5.00        | 20 ± 3.0  | DAIDM-350   | 350 ± 17.50       | 70 ± 7.0  |
| DAIDM-105   | 105 ± 5.25        | 21 ± 3.0  | DAIDM-400   | 400 ± 20.00       | 80 ± 8.0  |

PHYSICAL DIMENSIONS All dimensions in inches (mm)

See above for "J" and "GULL WING" dimensions.



### PART NUMBER DESCRIPTION

DUAL EDGE CONTROLLED STTL

DM = 5-TAP

DL = FIXED

See Page 10 for Pin-Outs

Total Delay in nanoseconds (ns)

Lead Style

Blank = Auto-Insertable (through-hole)

G = "Gull Wing" Surface Mount

J = "J" Surface Mount

Specifications subject to change without notice