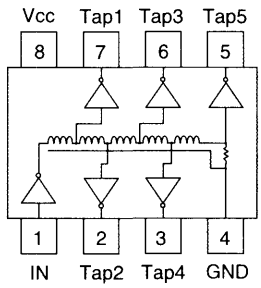
ACMDM Series Advanced CMOS Logic Buffered 5-Tap Delay Modules

74ACT type input is compatible with TTL • Outputs can Source / Sink 24 mA

- *Low Profile 8-Pin Package*
  Two Surface Mount Versions
- *Available in Low Voltage CMOS*
  74LVC Logic version LVMDM Series
- *5 Equal Delay Taps*
- *Operating Temp. -40°C to +85°C*

ACMDM 8-Pin Schematic



Electrical Specifications at 25°C

74ACT 5 Tap 8-Pin DIP P/N	Tap Delay Tolerances +/- 5% or 2ns (+/- 1ns <13ns)					Tap-to-Tap (ns)
	Tap 1	Tap 2	Tap 3	Tap 4	Total - Tap 5	
ACMDM-30	6.0	12.0	18.0	24.0	30 ± 2.0	6 ± 2.0
ACMDM-35	7.0	14.0	21.0	28.0	35 ± 2.0	7 ± 2.0
ACMDM-40	8.0	16.0	24.0	32.0	40 ± 2.0	8 ± 2.0
ACMDM-50	10.0	20.0	30.0	40.0	50 ± 2.5	10 ± 2.0
ACMDM-60	12.0	24.0	36.0	48.0	60 ± 3.0	12 ± 2.0
ACMDM-75	15.0	30.0	45.0	60.0	75 ± 3.75	15 ± 2.5
ACMDM-80	16.0	32.0	48.0	64.0	80 ± 4.0	16 ± 3.0
ACMDM-100	20.0	40.0	60.0	80.0	100 ± 5.0	20 ± 3.0
ACMDM-125	25.0	50.0	75.0	100.0	125 ± 6.25	25 ± 3.0
ACMDM-150	30.0	60.0	90.0	120.0	150 ± 7.5	30 ± 3.0
ACMDM-200	40.0	80.0	120.0	160.0	200 ± 10.0	40 ± 4.0
ACMDM-250	50.0	100.0	150.0	200.0	250 ± 12.5	50 ± 5.0

TEST CONDITIONS -- Advanced CMOS, 74ACT

V_{CC} Supply Voltage 5.00VDC
Input Pulse Voltage 3.00V
Input Pulse Rise Time ..... 3.0 ns max.
Input Pulse Width / Period ..... 1000 / 2000 ns

1. Measurements made at 25°C
2. Delay Times measured at 1.50V level of input to +2.50V level of Output on leading edge.
3. Rise Times measured from 10% to 90% points.
4. 50pf probe and fixture load on output under test.

OPERATING SPECIFICATIONS

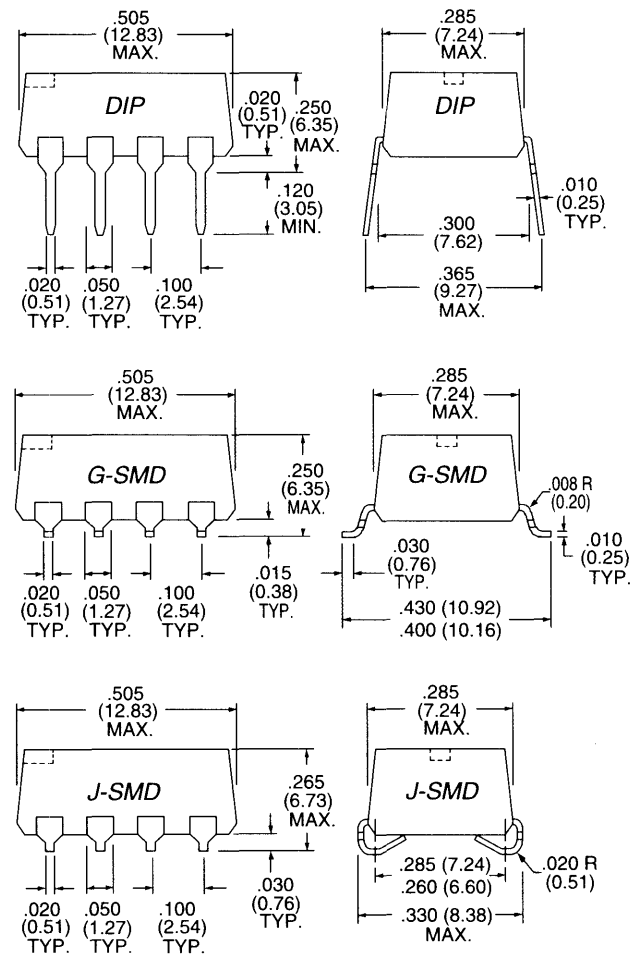
Supply Voltage, V_{CC} ..... 5.00 ± 0.50 VDC
Supply Current, I_{CC} ..... 14 mA typ., 28 mA max.
I_{CCH}, $V_{IN} = V_{CC}$, $V_{CC} = 5.5V$ ..... 40 µA typ.
I_{CCL}, $V_{IN} = 0V$, $V_{CC} = 5.5V$ ..... 25 mA typ.
Logic "1" Input: V_{IH} ..... 2.00 V min., 5.50V max.
Logic "0" Input: V_{IL} ..... 0.80 V max.
Logic "1" Voltage Out, V_{OH} ..... 3.8 V min.
Logic "0" Voltage Out, V_{OL} ..... 0.44 V max.
Max. Input Current, I_{IN} ..... ± 1.0 µA
Minimum Input Pulse Width ..... 40% of Delay min.
Operating Temperature Range ..... -40° to +85°C
Storage Temperature Range ..... -65° to +150°C

P/N Description *ACMDM - XXX X*

74ACT Buffered 5 Tap Delay
Molded Package Series:
8-pin DIP: ACMDM
Total Delay in nanoseconds (ns)
Lead Style: Blank = Thru-hole
G = "Gull Wing" SMD
J = "J" Bend SMD

Examples: ACMDM-25G = 25ns (5ns per tap) 74ACT, 8-Pin G-SMD
ACMDM-100 = 100ns (20ns per tap) 74ACT, 8-Pin DIP

Dimensions in Inches (mm)



Specifications subject to change without notice. **For other values & Custom Designs, contact factory.**