

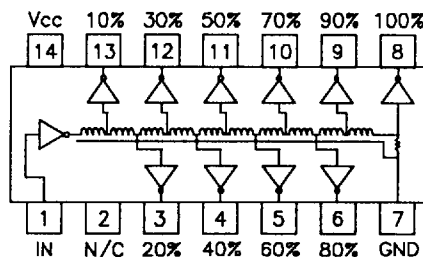
Electrical Specifications at 25°C

Delay Tolerances		Buffered 10 Tap Modules	
Total (ns)	Tap-to-Tap (ns)	10 Tap TTL Part Number	10 Tap FAST Part Number
11 ± 1.50	** 1 ± 0.5	-----	** FAITD-11
15 ± 1.50	** 1 ± 0.5	** AITD-15	-----
20 ± 2.00	** 2 ± 0.7	-----	** FAITD-20
25 ± 2.00	** 2 ± 0.7	** AITD-25	-----
25 ± 2.00	** 2.5 ± 0.8	-----	FAITD-25
30 ± 2.00	3 ± 1.0	-----	FAITD-30
32 ± 2.00	** 3 ± 1.0	** AITD-32	-----
35 ± 2.00	3.5 ± 1.0	-----	FAITD-35
40 ± 2.00	4 ± 1.0	AITD-40	FAITD-40
50 ± 2.50	5 ± 2.0	AITD-50	FAITD-50
55 ± 2.75	5.5 ± 2.0	AITD-55	FAITD-60
60 ± 3.00	6 ± 2.0	AITD-60	FAITD-60
70 ± 3.50	7 ± 2.0	AITD-70	FAITD-75
75 ± 3.75	7.5 ± 2.0	AITD-75	FAITD-75
80 ± 4.00	8 ± 2.0	AITD-80	FAITD-80
100 ± 5.00	10 ± 2.0	AITD-100	FAITD-100
120 ± 6.00	12 ± 3.0	AITD-120	FAITD-120
125 ± 6.25	12.5 ± 3.0	AITD-125	FAITD-125
150 ± 7.50	15 ± 3.0	AITD-150	FAITD-150
175 ± 8.75	17.5 ± 3.0	AITD-175	FAITD-175
200 ± 10.00	20 ± 3.0	AITD-200	FAITD-200
250 ± 12.50	25 ± 3.0	AITD-250	FAITD-250
300 ± 15.00	30 ± 5.0	AITD-300	FAITD-300
350 ± 17.50	35 ± 5.0	AITD-350	FAITD-350
400 ± 20.00	40 ± 5.0	AITD-400	FAITD-400
500 ± 25.00	50 ± 6.0	AITD-500	FAITD-500

** These part numbers do not have 10 equal taps. Specified Tap-to-Tap Delays are referenced to Tap 1: 5 ± 2 ns for AITD, 3 ± 1 ns for FAITD.

10-Tap TTL & FAST Delay Modules

10 Evenly Spaced Delays
Except as noted **



GENERAL: For Operating Specifications and Test Conditions, see Tables I and VII on page 8 of this catalog. Delays specified for the Leading Edge.

Tap Delays referenced to Input ± 5% or ± 2 ns

Minimum Input Pulse Width

AITD 30% of total delay

FAITD 20% of total delay

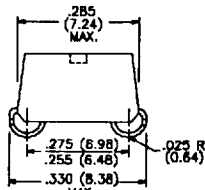
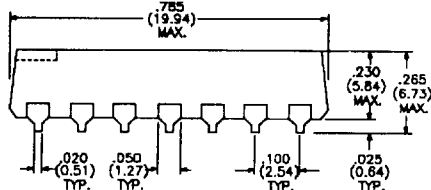
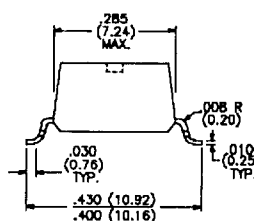
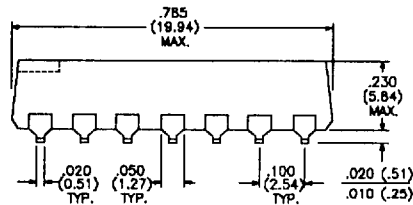
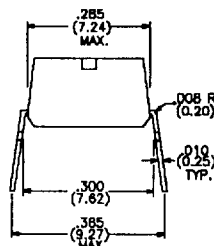
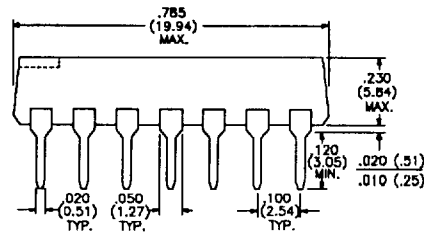
Temperature Coefficient of Delay 500ppm/°C typical

Supply Current, I_{cc} :

AITD 70 mA typ., 110 mA max.

FAITD 25 mA typ., 50 mA max.

PHYSICAL DIMENSIONS: inches (mm)



Auto-Insertable DIP

14 Pin AITD-XXX, FAITD-XXX

Gullwing Style Surface Mount

14 Pin AITD-XXXG, FAITD-XXXG

"J" Bend Style Surface Mount

14 Pin AITD-XXXJ, FAITD-XXXJ

VARIATIONS AVAILABLE. FOR INTERMEDIATE VALUES AND/OR CUSTOM DESIGNS PLEASE CONSULT THE FACTORY.

Specifications subject to change without notice.

AITD-7/93

Rhombus Industries Inc.
Delay Lines & Pulse Transformers