

VIDEO DELAY LINES VIDEO DELAY LINES VIDEO

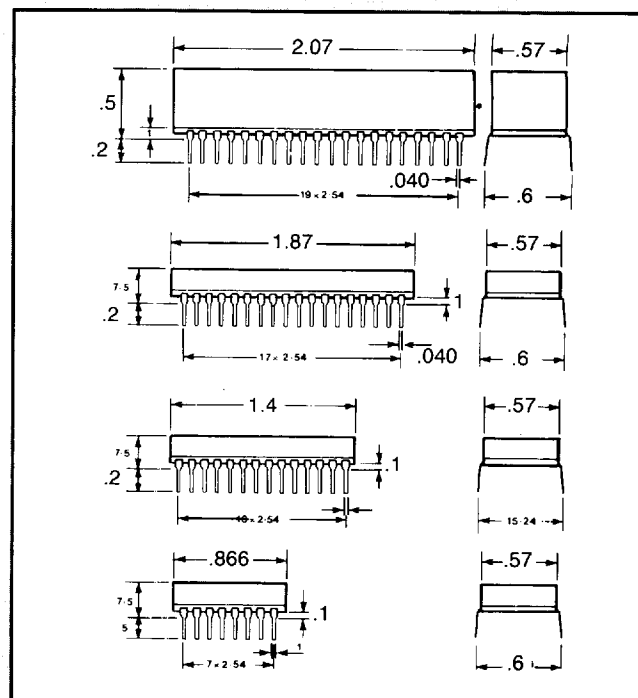
6116225 MICROSONICS INC
Dual-In-Line — 5.5 MHz and 10 MHz

97D 00249 D

T-47-21

Fixed Video Delay Lines

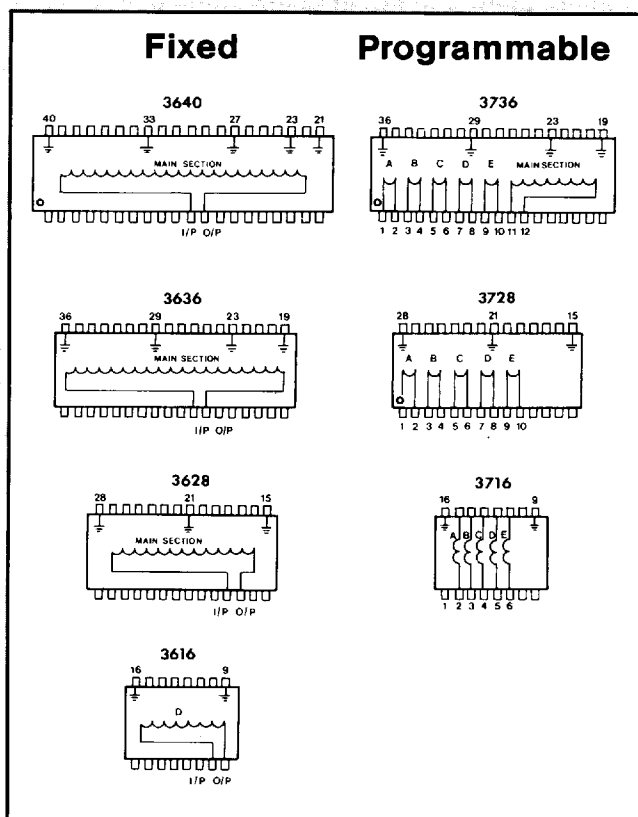
5.5 MHz	10 MHz			5.5 MHz	10 MHz
Order Code	Order Code	Case Style	Total Delay	Insertion Loss (dB)	Insertion Loss (dB)
36160010	3616001001	3616	10	<0.2	<0.2
36160020	3616002001	3616	20	<0.2	<0.2
36160030	3616003001	3616	30	<0.2	<0.2
36160040	3616004001	3616	40	<0.2	<0.2
36160050	3616005001	3616	50	<0.2	<0.2
36160060	3616006001	3616	60	<0.3	<0.3
36160070	3616007001	3616	70	<0.3	<0.3
36160080	3616008001	3616	80	<0.4	<0.4
36160090	3616009001	3616	90	<0.5	<0.5
36160100	3616010001	3616	100	<0.5	<0.5
36280110	3628011001	3628	110	<0.6	<0.6
36280120	3628012001	3628	120	<0.6	<0.6
36280130	3628013001	3628	130	<0.6	<0.6
36280140	3628014001	3628	140	<0.7	<0.7
36280150	3628015001	3628	150	<0.7	<0.7
36280160	3628016001	3628	160	<0.8	<0.8
36280170	3628017001	3628	170	<0.8	<0.8
36280180	3628018001	3628	180	<1.0	<2.0
36280190	3628019001	3628	190	<1.0	<2.0
36280200	3628020001	3628	200	<1.0	<2.5
36360300	3636030001	3636	300	<2.5	<3.0
36360400	3636040001	3636	400	<2.5	<3.0
36360500	3636050001	3636	500	<2.7	<3.0
36400600		3640	600	<4.0	
36400700		3640	700	<4.5	
36400800		3640	800	<5.5	
36400900		3640	900	<6.0	
36401000		3640	1000	<6.0	



Programmable video delay lines

5.5 MHz	10 MHz				5.5 MHz	10 MHz
Order Code	Order Code	Case Style	Total Delay	Sections A B C D E	Insertion Loss (dB)	Insertion Loss (dB)
37160095		3716	95	5 10 20 20 40	<0.5	—
371609.5		3716	9.5	1/2 1 2 2 4	<0.1	—
37280155	3728015501	3728	155	5 10 20 40 80	<0.8	<1.25
37360235	3736023501	3736	235	5 10 20 40 80	<1.5	<1.50

Operating Temperature 0°C to 70°C
 Storage Temperature -50°C to +125°C
 Operating Voltage 30 volts DC max.
 Insulation Resistance 100 megohms at 100 volts DC
 Temperature Coefficient ±200ppm/°C
 Impedance 75 ohms
 Insertion Loss (dB) See Table
 Delay Tolerance ±2% or 2ns whichever is greater — Fixed Lines only
 Frequency Response Bandwidth 5.5MHz ±0.05dB w.r.t. 100kHz to 5.5MHz (up to 500ns)
 Bandwidth 5.5MHz ±0.1dB w.r.t. 100kHz to 5.5MHz (510ns to 1000ns)
 Bandwidth 10MHz ±0.1dB w.r.t. 100kHz to 8MHz
 Bandwidth 10MHz <0.5dB to 10MHz
 Bandwidth 5.5MHz <0.1dB to 5.5MHz (up to 500ns)
 Bandwidth 5.5MHz <0.2dB to 5.5MHz (510ns to 1000ns)
 Bandwidth 10MHz <0.1dB to 8MHz
 Bandwidth 10MHz <0.15dB to 10MHz
 Return Loss >27dB to 5.5MHz
 >22dB to 10MHz
 Group Delay ±5ns to 5.5MHz
 ±10ns to 10MHz



9000-2201