

CD4555BMS, CD4556BMS

Typical Performance Characteristics (Continued)

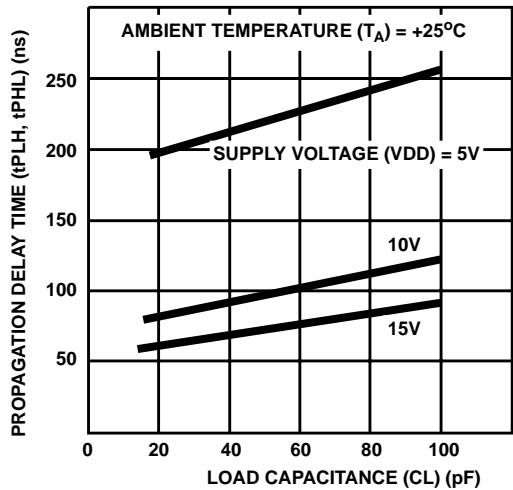


FIGURE 7. TYPICAL PROPAGATION DELAY TIME vs LOAD CAPACITANCE (A OR B INPUT TO ANY OUTPUT)

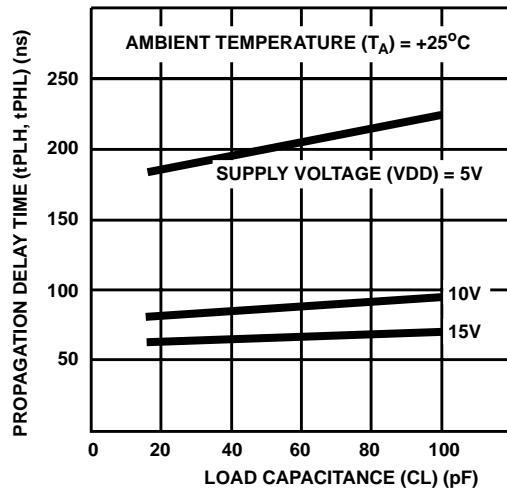


FIGURE 8. TYPICAL PROPAGATION DELAY TIME vs LOAD CAPACITANCE (\bar{E} INPUTS TO ANY OUTPUT)

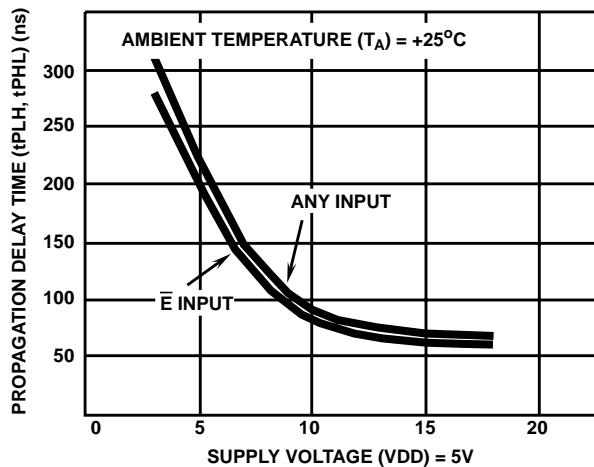


FIGURE 9. TYPICAL PROPAGATION DELAY TIME vs SUPPLY VOLTAGE

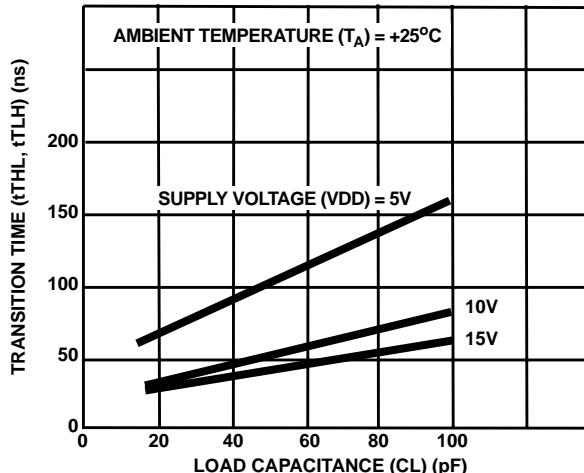


FIGURE 10. TYPICAL TRANSITION TIME vs LOAD CAPACITANCE

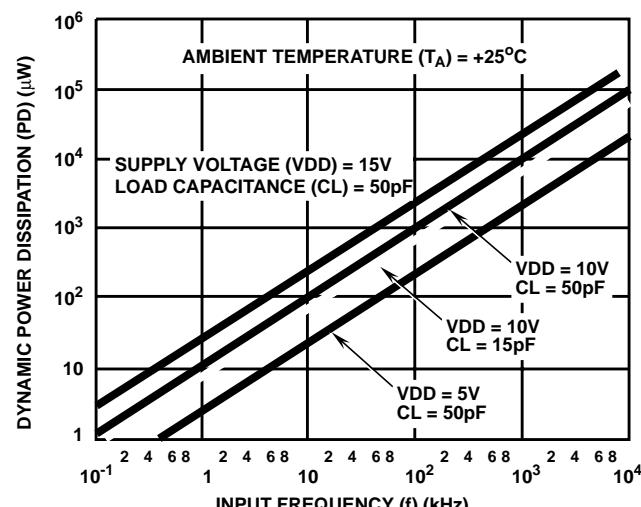
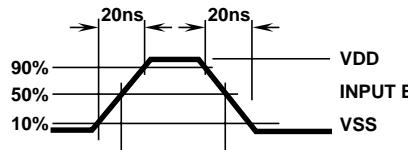
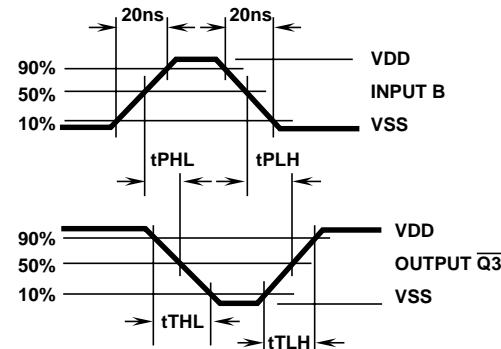


FIGURE 11. TYPICAL DYNAMIC POWER DISSIPATION vs FREQUENCY

CD4555BMS, CD4556BMS



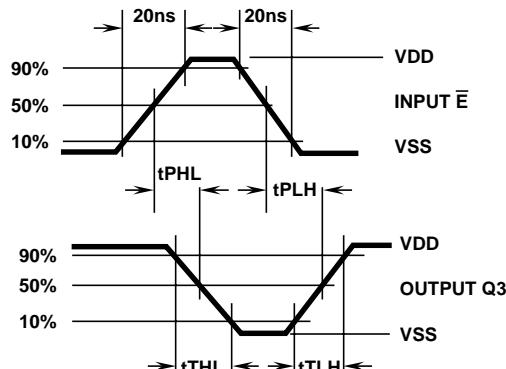
$f_I = 1\text{MHz}$, 50% DUTY CYCLE



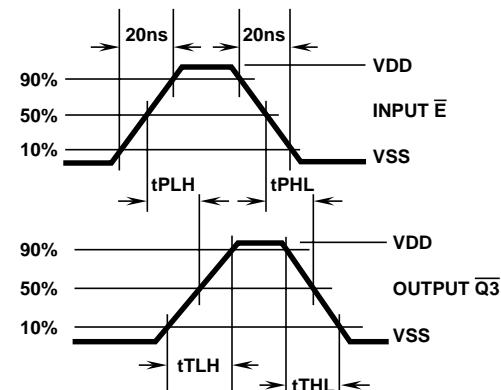
$f_I = 1\text{MHz}$, 50% DUTY CYCLE

FIGURE 12. CD4555BMS B INPUT TO Q3 OUTPUT DYNAMIC SIGNAL WAVEFORMS

FIGURE 13. CD4556BMS B INPUT TO $\overline{Q3}$ OUTPUT DYNAMIC SIGNAL WAVEFORMS



$f_I = 1\text{MHz}$, 50% DUTY CYCLE



$f_I = 1\text{MHz}$, 50% DUTY CYCLE

FIGURE 14. CD4555BMS \bar{E} INPUT TO Q3 OUTPUT DYNAMIC SIGNAL WAVEFORMS

FIGURE 15. CD4556BMS \bar{E} INPUT TO $\overline{Q3}$ OUTPUT DYNAMIC SIGNAL WAVEFORMS

Applications

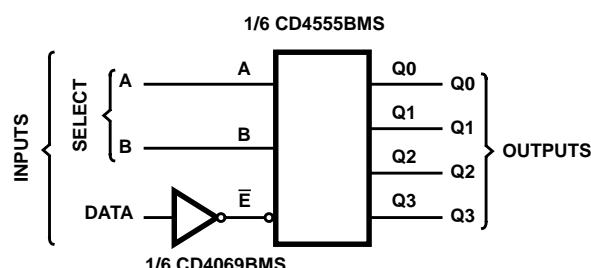


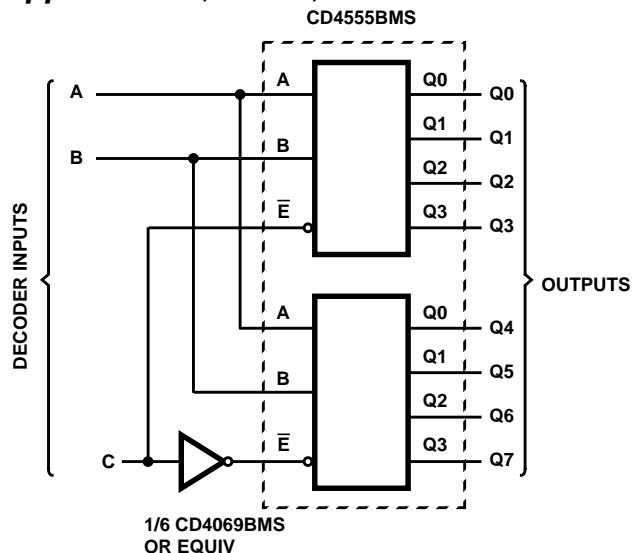
FIGURE 16. 1 OF 4 LINE DATA DEMULTIPLEXER USING CD4555BMS

TRUTH TABLE

SELECT INPUTS		OUTPUTS			
B	A	Q0	Q1	Q2	Q3
0	0	DATA	0	0	0
0	1	0	DATA	0	0
1	0	0	0	DATA	0
1	1	0	0	0	DATA

CD4555BMS, CD4556BMS

Applications (Continued)



TRUTH TABLE

INPUTS			Q OUTPUTS							
C	B	A	0	1	2	3	4	5	6	7
0	0	0	1	0	0	0	0	0	0	0
0	0	1	0	1	0	0	0	0	0	0
0	1	0	0	0	1	0	0	0	0	0
0	1	1	0	0	0	1	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0
1	0	1	0	0	0	0	0	1	0	0
1	1	0	0	0	0	0	0	0	1	0
1	1	1	0	0	0	0	0	0	0	1

FIGURE 17. 1 OF 8 DECODER USING CD4555BMS

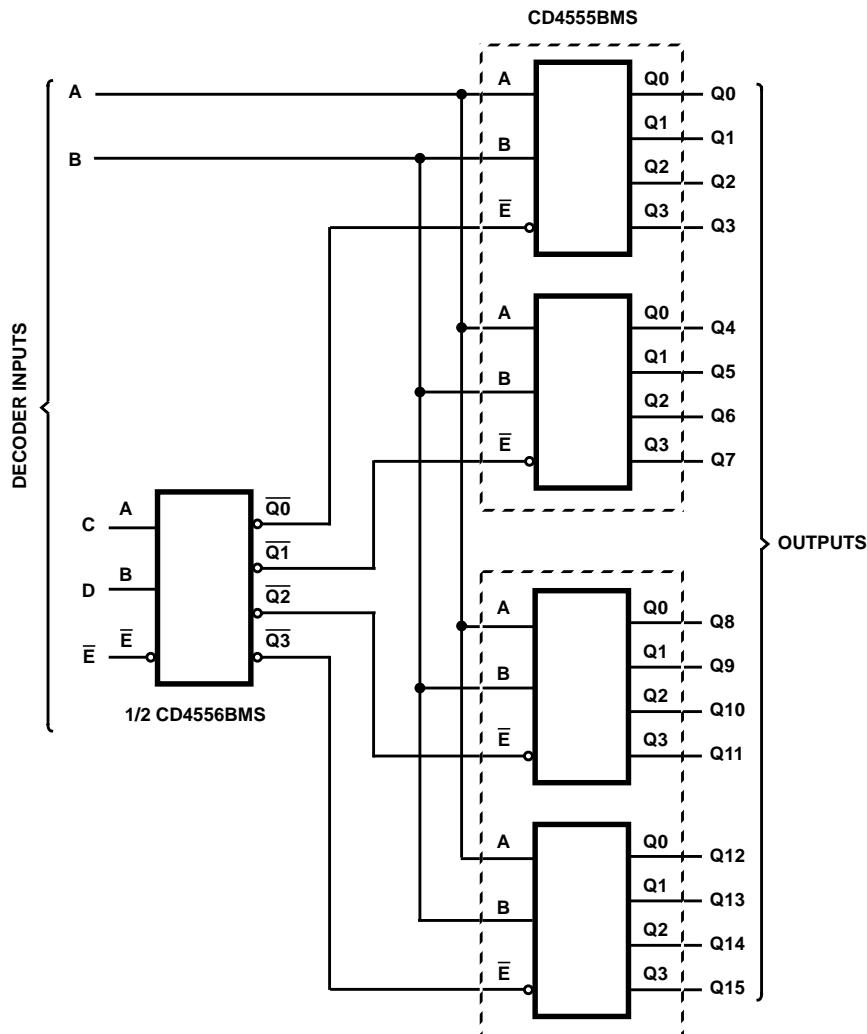


FIGURE 18. 1 OF 16 DECODER USING CD4555BMS AND CD4556BMS

CD4555BMS, CD4556BMS

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