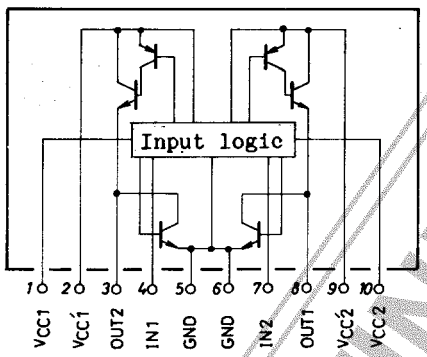
Electrical Characteristics at Ta = 25˚C, V_{CC}=V_{CC}'=12V

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
High-level output voltage 1	V_{OH1}	V_{I1} or V_{I2}=2V, I_O=–50mA	11.0			V
High-level output voltage 2	V_{OH2}	V_{I1} or V_{I2}=2V, I_O=–100mA	10.9			V
Low-level output voltage 1	V_{OL1}	V_{I1} or V_{I2}=2V, I_O=50mA			0.3	V
Low-level output voltage 2	V_{OL2}	V_{I1} or V_{I2}=2V, I_O=100mA			0.35	V
Interoutput voltage	V_{O1}–V_{O2}	V_{I1} or V_{I2}=2V, I_O=±100mA	10.6			V
Input current	I_I	V_I=2V	70		200	μA
Output leakage current	I_O leak	V_{CC}=V_{CC}'=18V, V_O=0V, V_{IN}1=V_{IN}2=0V, V_O=18V			±100	μA
Current drain	I_{CC}	V_{IN1}=2V or V_{IN2}=2V, V_{CC}=V_{CC}'=16V			30	mA
		V_{IN1}=V_{IN2}=2V, V_{CC}=V_{CC}'=16V			60	mA

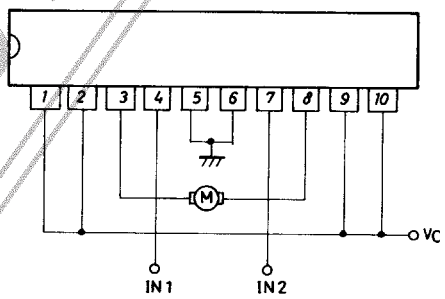
Control Mode

Input		Output		Remarks
1	2	1	2	
0	0	–	–	Open
1	0	1	0	Forward drive
0	1	0	1	Reverse drive
1	1	0	0	Braking

Equivalent Circuit Block Diagram



Sample Application Circuit



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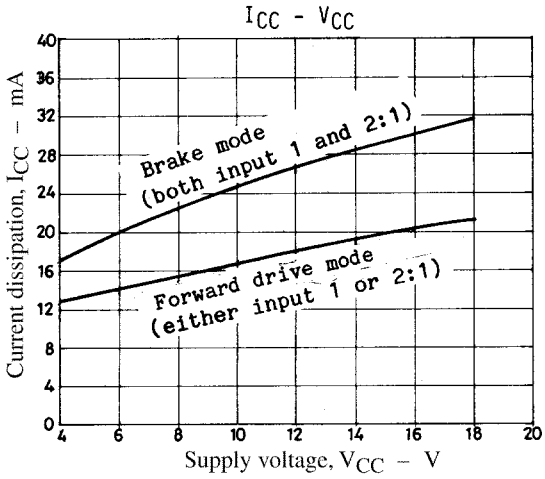

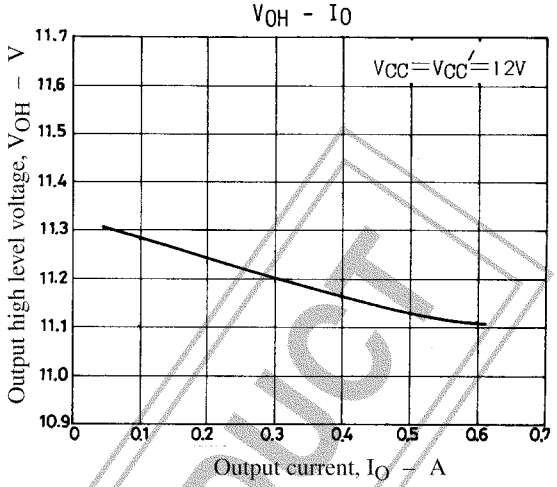

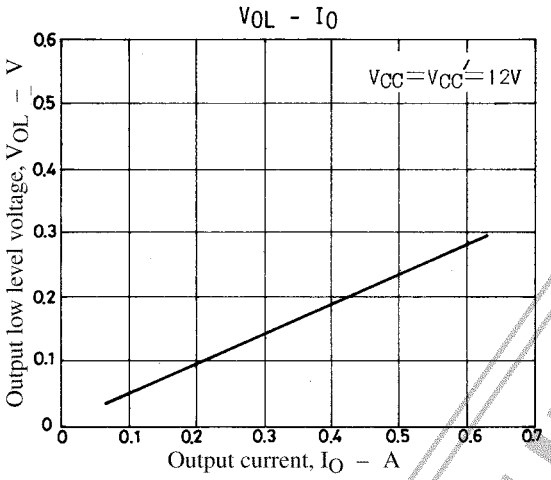

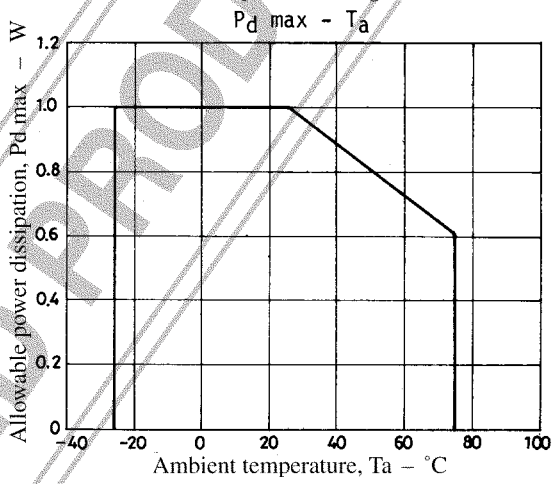

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