

ENGINEERING DATA

- FEATURES:**
- * +/- 3.5 Amp Output
 - * 5 uSec Switch Time
 - * 30 kHz Clock Frequency
 - * Short Circuit Protect
 - * Standard DIP Package

ABSOLUTE MAXIMUM RATINGS:

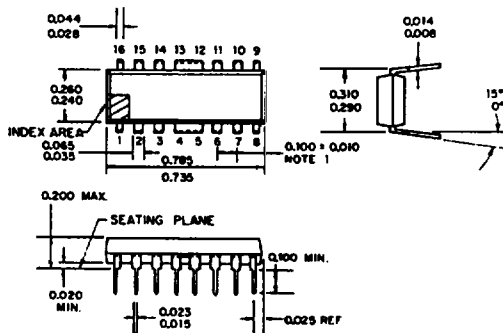
Load Supply Voltage	36 Volts
Logic Supply Voltage	7 Volts
Output Current	4.0 Amps
Operating Temperature	0°C to 70°C

TYPICAL SPECIFICATIONS:

[VS = +28 V, VL = +5 V, TA = 25°C]

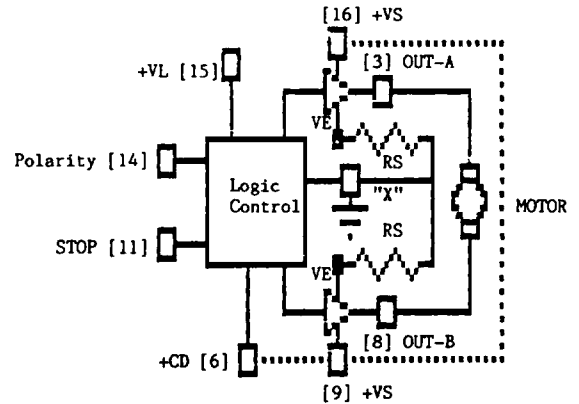
Logic Input Voltage	
High	2.0 V
Low	0.5 V
Logic Input Current	
High	50 uA
Low	1 mA
Polarity Change Delay	5.0 uS
Clock Turn-On Delay	2.2 uS
Output Voltage Swing	
(RL = 7 ohm)	+/- 25 V
(RL = 2000 ohm)	+/- 26 V
Output Leakage Current	10 uA

PACKAGING:



DESCRIPTION: The MD-930 is a monolithic power integrated circuit configured as a full-bridge driver for bi-directional control of loads such as motors, valves, solenoids, etc. With pulse width modulation, control of the load drive level is virtually "infinite". The MD-930 is ideal for single supply applications. Digital control inputs are TTL and CMOS compatible.

TYPICAL APPLICATIONS: The following circuit is a typical example of the MD-930 applications, driving a DC motor.



"X" represents pins [4],[5],[6],[12],[13] - all LOAD-COMMON connections.
Pin [10] must be connected to the DIGITAL-COMMON

