

MITSUBISHI LINEAR ICs

M51728L,FP

PLL MOTOR SPEED CONTROL

DESCRIPTION

The M51728L,FP are semiconductor integrated circuits designed for motor speed control circuit.

The precision speed control can be obtained because of the PLL circuit.

It controls DC motors with TG (tacho generator).

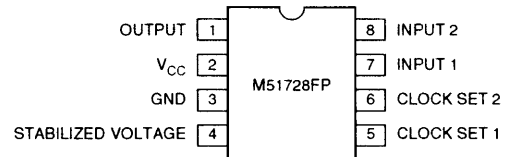
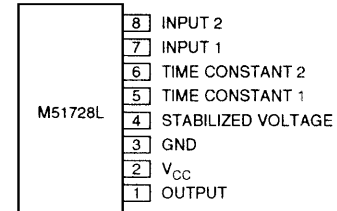
FEATURES

- Built-in zener diode 6.9V (TYP)
- Supply voltage regulation (oscillating frequency) $\pm 0.01\%$ (TYP) (9 ~ 18V, $R_S = 910\Omega$)
- Load regulation of motor speed Nil
- Temperature coefficient (oscillating frequency) $\pm 50\text{ppm}/^\circ\text{C}$ (TYP) ($-20 \sim +75^\circ\text{C}$)
- Motor speed can be easily set

APPLICATION

Speed control of motors is audio equipment or terminals.

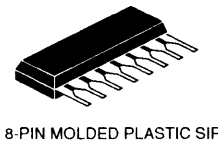
PIN CONFIGURATION (TOP VIEW)



RECOMMENDED OPERATING CONDITIONS

(V_S when dropper resistor $R_S = 910\Omega$)

- Supply voltage range 9 ~ 18V
- Related supply voltage 13V



BLOCK DIAGRAM

