

BIPOLAR ANALOG INTEGRATED CIRCUIT

μ PC1225H

30-50 W POWER AMPLIFIER DRIVER

T-74-05-01

DESCRIPTION

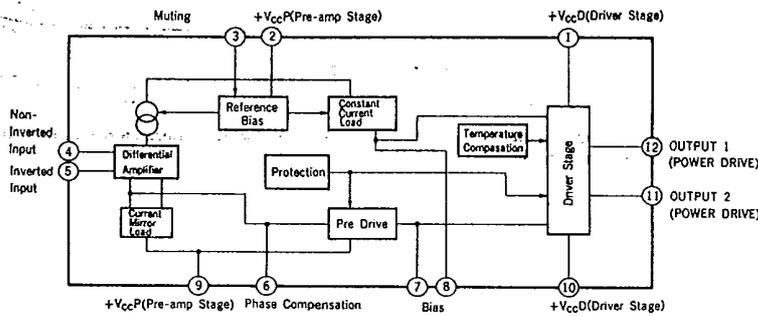
μ PC1225H is designed for use with a HI-FI power amplifier driver. It is composed of a differential amplifier, a pre driver, a driver and protection circuit.

It is in a 12 pin small power SIP. (Single In Line)

FEATURES

- Excellent Low Distortion
 0.002 % TYP. ($V_{CC} = \pm 38$ V, $f = 1$ kHz, $A_v = 30$ dB, $P_o = 30$ W, $R_L = 8$ Ohms)
 0.008 % TYP. ($V_{CC} = \pm 38$ V, $f = 20$ kHz, $A_v = 30$ dB, $P_o = 30$ W, $R_L = 8$ Ohms)
- Wide Frequency Band
 900 kHz TYP. (-3 dB)
- Wide Power Band Width
 90 kHz TYP. ($P_o = 25$ W, T.H.D. = 0.1 %)
- Excellent Low POP ON/OFF Noise

BLOCK DIAGRAM



NOTE: The protection circuit is for this IC and cannot protect external Power Transistors. Thus, design a P_o Tr protection circuit besides.