

HIGH VOLTAGE DRIVER

V1200 (Single Channel Driver) — Voltage Source Output

A universal driver for high power application with the flexibility to meet most circuit configurations.

FEATURES

- 140 Volt maximum VBB — VEE (minimum VBB = +5V)
- Reverse Voltage Protection
- TTL and HCMOS logic compatible inputs
- Input is inverting when mode control is held high (+5V) and non-inverting when mode control is held low (0V)
- High Speed — 100 ns maximum. Turn on or Turn off (load: 100pf in parallel with a 1N914 diode carrying 45 ma)
- Input over and under voltage protection
- Test points for output current adjust with or without external resistor
- 4 ma maximum VBB quiescent current
- 1 ma maximum VEE quiescent current
- +200 ma maximum output source current
- -100 ma maximum output sink current
- Internal 170 ohm 350 mw current setting resistors
- If VBB is +7V to +15V: short Direct A (pin 22) to Direct C (pin 21)
- If VBB is +5V to +7V: short Direct A (pin 22) to Direct B (pin 20)
- Maximum power: 1 Watt at 125°C case

PIN FUNCTIONS

1. N/C	12. N/C
2. VBB (+7 to +120V)	13. N/C
3. Mode	14. N/C
4. Input	15. N/C
5. Ground	16. N/C
6. N/C	17. N/C
7. Direct Output	18. N/C
8. TPR	19. N/C
9. Output	20. Direct B
10. VEE (-5 to -120V)	21. Direct C
11. N/C	22. Direct A

OUTPUT STAGE

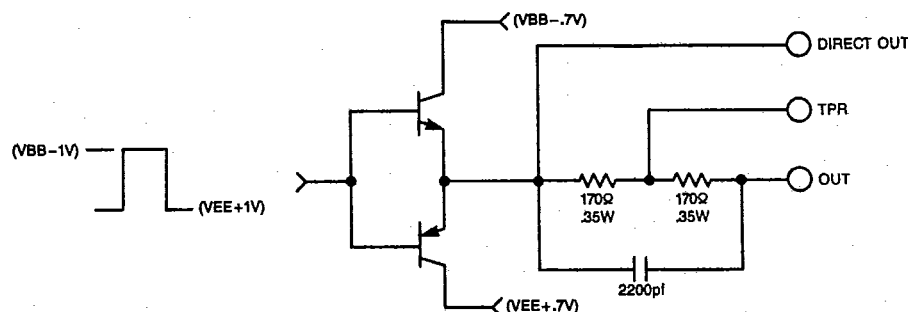


FIGURE A

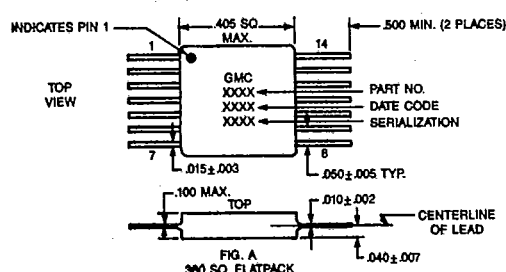


FIGURE B

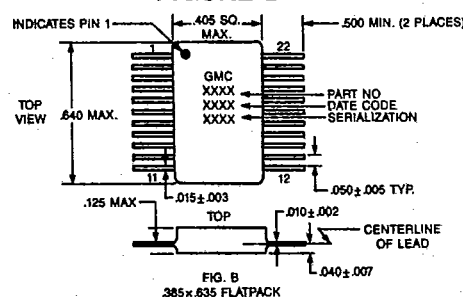


FIGURE C

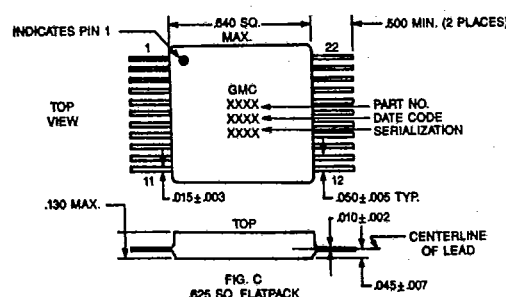


FIGURE D

