

**SPECIFICATION**

All specifications refer to the module when used exactly as described and were taken with the amplifier actually driving a loudspeaker unless otherwise specified.

|                       | <u>Superamp</u>                  | <u>Supermos</u> | <u>units</u> | <u>Condition</u>              |
|-----------------------|----------------------------------|-----------------|--------------|-------------------------------|
| POWER OUTPUT          | 50 - 150                         | 50 - 150        | Watts        |                               |
| LOAD IMPEDANCE        | 4 - 16                           | 4 - 16          | Ohms         | See output graph              |
| DC SUPPLY RAILS       | +/-30 to 45                      | +/-30 to 55     | DC Volts     |                               |
| DC CURRENT            | See text on PSU power/VA ratings |                 |              |                               |
| SENSITIVITY           | 0.775                            | 0.775           | V RMS        | For 100W 8 ohms               |
| DISTORTION (THD)      | @ 0.0009                         | @ 0.0002        | %            | See graph and text            |
| FREQUENCY RESPONSE    | 5Hz - 125k                       | 5 - 200k        | Hz           |                               |
| SLEW RATE             | 125                              | 250             | V/us         |                               |
| S/N RATIO (CCIR/ARM)  | 120                              | 120             | dB           | Reference 28.28VRMS<br>(100W) |
| TRANSIENT O/P CURRENT | 45                               | 50              | Amps p-p     |                               |
| DAMPING FACTOR 8ohms  | 800                              | 800             | -            | Typical @ 100Hz               |

**Superamp/MOS Internal Block Diagram**

25 Transistors, 7 diodes

