

TRANSISTOR CROSS REFERENCE LIST

761———2N5400
EP-430——TIP31C
EP-431——TIP30C
2N-3642——6530
2N-3638——6533
60142———2N3772
13886———MZ2361
690———2N4249




REVISED 12/11/80
RER

PEAVEY® ELECTRONICS CORP.
Meridian - Mississippi

Drawn By: *[Signature]* DATE: 9-1-72

Checked By: *Jed*

Approved By: 

260S Booster



The new 260 Stereo Booster uses four high voltage 30 amp power devices in each channel to deliver 130 watts RMS per channel, both channels driven simultaneously into 4 ohms, with a frequency response of 20 Hz to 20 kHz. One channel can deliver as much as 140 watts RMS. The output devices are mounted on a massive aluminum heatsink for continuous duty. Additional ther-

mal protection is afforded by our thermal compensation circuit designed for instantaneous Voltage-Current limiting as well as the integral thermal cutout switch to prevent damage to the amplifier in the event that the output is shorted. The Voltage-Current limiting and Thermal cutout are separate protection designs for each channel so that one channel can remain operational in the case

of a thermal problem in the other.

Paralleled input connectors permit bridging several boosters together for increased output or the use of electronic crossovers. The input circuit is arranged for overload protection and the level control is able to accept a very wide range of input voltages including speaker levels.

SPECS

Frequency response: ± 1 dB 20 Hz to 20 kHz @ 1 W, 4 ohms
Power @ clipping: Typically: 1% THD, 1 kHz, 120 VAC line

Each channel driven:
140 W RMS into 4 ohms
90 W RMS into 8 ohms

Both channels driven:
120 W RMS into 4 ohms
80 W RMS into 8 ohms

Intermodulation distortion: Less than 0.3% from 0.5 W to 100 W, typically 0.1%
Total harmonic distortion: Less than 0.1% from 0.5 W to 100 W 20 Hz to 20 kHz, typically .05%
Hum & noise: 90 dB below 130 W RMS output, 20 Hz to 20 kHz
Slew rate: 3 V per micro-second
Load impedance: 4 ohms or greater (stable into any load configuration)
Damping factor: Greater than 40 (1 kHz, 4 ohms)
Input sensitivity: 0.9 V RMS for 130 W into 2 ohms
Input impedance: 15 K ohms (input overload protected)
Load protection: Short, mismatch, open-circuit proof.
Current limiting instantaneous with no thumps or cut-off

