



*Everman Manley*

B+ FUSE  
4/10A SLO-BLO

INPUT

CE

N9512422



BIAS TRIMS ADJUST FOR  
250 MV DC WITH NO SIGNAL

VT 4

EL 84

VT 4

EL 84

VT 3

EL 84

VT 3

EL 84

6A14



VT 2

EL 84

VT 2

EL 84

VT 1

EL 84

VT 1

EL 84

MAHI

TRIODE



OUTPUT  
STAGE NODE

0  
4  
8  
12



MANLEY

STD



VARIABLE  
FEEDBACK

MIN

MAX

## Manley Mahi:

- Input Tube: 1 x 12AT7EH large plate Eletcro-Harmonix Russian
- Driver Tube: 1 x 6414 JAN NOS GE or Raytheon branded
- Output Tubes: 8 x EL84 Ships with Russian NOS EL84M (aka 6Pi14Pi-EB) We are out of Ei 6BQ5.
- Output Tube Quiescent Standing Current: 25mA
- Set Bias for 250mVDC measured across each 10 Ohm cathode resistor
- Input Impedance: 110 kOhm
- Negative Feedback: MIN= 3dB; STD=6dB; MAX=10dB of global NFB
- Gain:
  - TRIODE/UL
  - FB MIN: 30.7 dB 32.1 dB
  - FB STD: 28.5 dB 29.1 dB
  - FB MAX: 26.1 dB 27.1 dB
- Input Sensitivity for Maximum Output Power: defined as input voltage required in order to produce maximum power output reaching 1.5% THD @ 1KHz
  - TRIODE/UL
  - FB MIN: 175mV 155mV
  - FB STD: 312mV 340mV
  - FB MAX: 480mV 566mV
  - Input Sensitivity for 1W into 8 Ohms: 61mV 53mV
- Maximum Output Power: defined as power output reaching 1.5% THD @ 1KHz
  - into 5 Ohms: TRIODE UL
  - FB MIN: 18W 20W
  - FB STD: 27W 42W
  - FB MAX: 28W 46W
  - into 8 Ohms: TRIODE UL
  - FB MIN: 14W 24W
  - FB STD: 24W 40W
  - FB MAX: 25W 41W
- Signal to Noise Ratio Ref. 1W: Typically 82 dB A-WGT 20-20K
- Noise Floor: Typically 150 $\mu$ V = -74dBu A-WGT
- Noise Floor: Typically 650 $\mu$ V = -62dBu unweighted
- Will Scratch Your Floor: Use pennies under pointed feet to avoid marring cabinetry. Try quarters if you are in upper tax brackets. The bargain performer would be nickels. Paper currency does not function as well. Euro coins work 1.54 times better. Concrete pavers or wooden chopping blocks serve fine for amplifier platforms.
- Dynamic Range: 83dB
- THD+Noise @ 5W: less than 0.15%
- Frequency Response at full power UL mode w/MAX NFB: 20 Hz to 20 kHz FLAT
- Frequency Response at 5W into 5 Ohms: 10 Hz to 30 kHz FLAT, -3.75dB @ 100KHz
- Recommended Speaker Load: Optimized for 5 Ohms
- Output Impedance:
  - TRIODE / UL
  - FB MIN: 2.43 Ohms 3.10 Ohms
  - FB STD: 1.47 Ohms 1.67 Ohms
  - FB MAX: 0.90 Ohms 0.95 Ohms
  - TRIODE / UL
  - FB MIN: 3.29 2.58
  - FB STD: 5.45 4.78
  - FB MAX: 8.90 8.43
- Damping Factor:
  - TRIODE / UL
  - FB MIN: 3.29 2.58

FB STD: 5.45 4.78

o FB MAX: 8.90 8.43

- Power Consumption (idle): 102 Watts (0.85A @ 120VAC)
- Maximum Power Consumption (at Full Power): 168 Watts (1.4A @ 120VAC)
- Operating Mains Voltage: Factory set for 100V, 120V or 220-240VAC operation for original destination country's mains voltage.
- Operating Mains Voltage: changeable with power transformer re-wiring and fuse value change.
- Mains Voltage Frequency:
- Mains Fuse 100-120VAC operation: MDA 3 Amp SLO-BLO Ceramic Time-Delay fuse
- Mains Fuse 220-240VAC operation: MDA 1.5 Amp SLO-BLO Ceramic Time-Delay fuse
- B+ Fuse: MDA 400 mA SLO-BLO Ceramic Time-Delay fuse
- Badge Illumination: Units produced before 3/2003 use 8V, 0.3A "Fuse-Lamp" 1/4" X 1 1/4" - Serial numbers after MAHI036 use LED illumination which probably won't burn out
- Dimensions: 11" deep x 10" wide x 5" tall
- Shipping weight each: 18 pounds