

Reference 80S

SKU REF80S

Category [Amplifiers](#)

Electronic Specifications

POWER OUTPUT

70 watts continuous from 20Hz to 20kHz. 1kHz total harmonic distortion typically 1% at 140 watts (33 watts in Triode mode) per channel, below 0.04% at 1 watt (Note that actual power output is dependent upon both line voltage and "condition" i.e.: if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not critical)

POWER BANDWIDTH

(-3dB points) 7Hz to 68kHz

FREQUENCY RESPONSE

(-3dB points at 1 watt) 0.7Hz to 94kHz

INPUT SENSITIVITY

1.4V RMS Balanced for rated output. (25.5 dB gain into 8 ohms);
0.7V RMS SE for rated output.

INPUT IMPEDANCE

300K ohms Balanced, 75K ohms Single Ended

OUTPUT POLARITY

Non-inverting. Balanced input pin 2+ (IEC-268)

OUTPUT TAPS

16 ohms, 8 ohms, 4 ohms

OUTPUT REGULATION

Approximately 1.0dB 16 Ohm Load to Open Circuit (Damping factor approximately 8)

OVERALL NEGATIVE FEEDBACK

15dB

SLEW RATE

10 volts/microsecond

RISE TIME

4.0 microseconds

POWER REQUIREMENTS

105-130VAC 60Hz (210-250VAC 50Hz) 420 watts at rated output,
280 watts in Triode mode, 221 watts at "idle", 3.6 watts off Units for Japan: 100VAC 50/60Hz

TUBES REQUIRED

2 matched pair KT150 (Power output V1-V4); 2 6H30 (Gain stage V5, V6)

DIMENSIONS

Width 18.5" (47 cm) chassis; 19.0" (48.26 cm) faceplate.

Height 10.5" (26 cm)

Depth 18.5" (47 cm)

With handles & connectors: 21" (53.3 cm)

WEIGHT

62 lbs. (28.2 kg) Net; 73 lbs. (32.7 kg) Shipping.