

# Reference 6SE Line-Stage

SKU REF6SE

Category [PreAmplifiers](#)

## Electronic Specifications

---

### FREQUENCY RESPONSE

+0-3dB, 0.4Hz to 200kHz at rated output (Balanced, 200k ohms load).

### DISTORTION

Less than .01% at 2V RMS BAL output.

### GAIN

Main output: 12dB Balanced output, 6dB SE output. Record out: 0dB (Processor input: 0dB BAL output).

### INPUT IMPEDANCE

120K ohms Balanced, 60K ohms SE. Inputs: 4 balanced, 4 single-ended. Assignable processor passthrough.

### OUTPUT IMPEDANCE

600 ohms Balanced, 300 ohms SE Main (2). 20K ohms minimum load and 2000pF maximum capacitance. Outputs (3): 2 main, 1 record out (XLR and RCA connectors).

### OUTPUT POLARITY

Non-inverting.

### MAXIMUM INPUT

18V RMS BAL, 9V RMS SE.

### RATED OUTPUTS

2V RMS (1V RMS SE) into 200K ohm balanced load (maximum balanced output capability is 70V RMS at less than 0.5% THD at 1kHz).

### CROSSTALK

-88dB or better at 1kHz and 10 kHz.

### CONTROLS

Rotary encoders: Volume (103 steps), Select Input. Push Buttons: Power, Menu, Enter, Mono, Invert, Mute.

### POWER SUPPLIES

Electronically regulated low and high voltage supplies. Automatic 45 sec. warm-up/brown-out mute. Line regulation better than .01%.

### NOISE

1.7uV RMS residual IHF weighted balanced equivalent input noise with volume at 1 (109dB below 2V RMS output.)

### TUBE COMPLEMENT

(6)-6H30P dual triodes, plus (1 each) 6550WE and 6H30P in power supply.

### POWER REQUIREMENTS

100-135VAC 60Hz (200-250VAC 50/60Hz) 130 watts. Standby: 2 watts.

**DIMENSIONS**

Width: 19" (48 cm)

Height: 7.8" (19.8 cm)

Depth: 16.5" (41.9 cm)

Handles extend 1.6" (4 cm) forward of the front panel.

Weight: 37.5 lbs. (17 kg) Net; 49 lbs. (22.3 kg) Shipping