



# NATIONAL

**EL 34**  
**National Gold**  
**Audio Tube**

## EL 34 National Gold

Voltages applied to the tube:	Filament Voltage	6.3V
	Plate Voltage	250V
	Screen Grid Voltage	250V
	Control Grid Voltage	-13.5V

Limits:	Max. Noise Level	1.0 mVrms
	Max. Microphonics	5.0 mVrms

A tube with a noise level greater than 1.0 mVrms would be rejected. Microphonics are measured while the tube is being tapped. A tube with microphonics measurement of 5.0 mVrms or less is accepted, while a tube with a measurement greater than 5.0 mVrms is rejected.

### Output Current Scales for Matching

No:		No:	
1.	52.0 mA - 56.6 mA	6.	75.1 mA - 79.6 mA
2.	56.7 mA - 61.2 mA	7.	79.7 mA - 84.2 mA
3.	61.3 mA - 65.8 mA	8.	84.3 mA - 88.8 mA
4.	65.9 mA - 70.4 mA	9.	88.9 mA - 93.4 mA
5.	70.5 mA - 75.0 mA	10.	93.5 mA - 98.0 mA