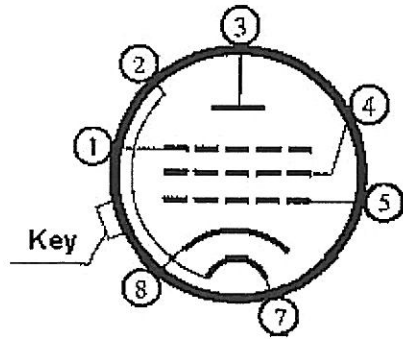


## EL34B Tung-Sol



Pin #	Electrode name
1	Grid 3
2,7	Heater
3	Plate
4	Grid 2
5	Grid 1
6	-
8	Cathode

### Electrical data

Cathode	Oxide, indirect heating
Heater voltage (AC/DC)	6.3 v
Heater current	1.5 a
Cathode to heater voltage	+/-100 v
Interelectrode capacitance:	
Input (nominal)	15.4 uf
Output (nominal)	8.4 uf
Transfer (nominal)	1.1 uf

### Mechanical data

Envelope	Glass balloon, 8pin
Socket	octal
Operating position	Any
Dimensions:	
Maximum height	110 mm
Balloon diameter	31 mm
Maximum weight	60 g

### Typical operation

Plate voltage	250 v
2 <sup>nd</sup> grid voltage	265 v
1 <sup>st</sup> grid voltage	-13.5 v
Plate current (nominal)	100 ma
2 <sup>nd</sup> grid current (nominal)	12 ma
Transconductance (nominal)	12 ma/v
Load resistance	2000 ohm
Output power (nominal)	11 w
Non-linear distortion factor (nominal)	9%

### Limited values

	min	max
Heater voltage	5.5 v	7.0 v
Plate voltage		800 v
2 <sup>nd</sup> grid voltage		425 v
1 <sup>st</sup> grid reverse voltage		-100 v
Cathode current		150 ma
Plate dissipation power		25 w
2 <sup>nd</sup> grid dissipation power		8 w
Balloon temperature at hottest point		250° C
Grid circuit resistance		
Under fixed bias		0.5 mohm
Under automatic bias		0.7 mohm