

# GENALEX ECC83/B759

## GOLD LION CUSTOM TUBE

pin #	Electrode name
1	Plate of 2 <sup>nd</sup> triode
2	Grid of 2 <sup>nd</sup> triode
3	Cathode of 2 <sup>nd</sup> triode
4,5,9	Heater
6	Plate of 1 <sup>st</sup> triode
7	Grid of 1 <sup>st</sup> triode
8	Cathode of 1 <sup>st</sup> triode

### Electrical data of new tube

		Comment
Grid reverse current, $\mu\text{a}$ , not more	0.2	3, 4
Heater current, ma not less	275	1
	135	2
not more	325	1
	160	2
Plate current, ma not less	0.75	3, 5
not more	1.75	
Plate current at the beginning of the curve, $\mu\text{a}$ not more	20	3, 6
Transconductance, ma/v, not less	1.4	3, 5
Amplification factor, not less	85	3.5
not more	115	
Structure-borne noise, mv, not more	3.5	3,7

### Comments:

1. Plate voltage 6.3v
2. Heater voltage 12.6v
3. Heater voltage 6.3v or 12.6v
4. Plate voltage 250v, grid voltage -2v, grid circuit resistance 1,0 Mohm
5. Plate voltage 250v, grid voltage -2v
6. Plate voltage 250v, grid voltage -4v
7. Plate voltage 250v, cathode circuit resistance 0.6Kohm at automatic bias, plate circuit resistance 10,0 Kohm, speeding-up 10 m/sec<sup>2</sup>, oscillation frequency 50Hz.

### Electrical parameters that could be changed within exploitation

Transconductance, ma/v, not less	1.1
Grid reverse current, $\mu\text{a}$ , not more	0.5

### Limited values

Heater voltage, v, not less	6.0 or 12.0
not more	6.6 or 13.2
Plate voltage, v, not more	330
Cathode to heater voltage:	
Positive, v, not more	200
Negative, v not more	200
Plate current, ma not more	9
Plate dissipation power of each triode, W, not more	1.2
Each triode grid circuit resistance:	
under fixed bias, Mohm, not more	1.2
under automatic bias, Mohm not more	2.2

