

GENALEX ECC83/B759

GOLD LION CUSTOM TUBE

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

Electrical data of new tube

		Comment
Grid reverse current, μA , 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, μA 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/sec², oscillation frequency 50Hz.

Electrical parameters that could be changed within exploitation

Transconductance, ma/v, not less	1.1
Grid reverse current, μA , 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

Plate voltage of cold tube, v, not more	600
Max grid reverse current, v, not more	55

The tube can't be exploited at two or more limited conditions.

Interelectrode capacitances:

Input capacitance of each triode, pf, nominal	1.6
Output capacitance of 1 st triode, pf, nominal	0.46
Transfer capacitance of each triode, pf, nominal	1.7
Output capacitance of 2 nd triode, pf, nominal	0.34
Plate to plate capacitance, pf, nominal	0.6
Cathode to heater capacitance, pf, nominal	5.0