

# GENALEX E88CC/6922 GOLD LION CUSTOM TUBE

## Miniature dual triode

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	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
9	Screen

## Electrical data

Parameter name	not less	not more	Measurement mode
Heater current, ma	285	335	Heater voltage = 6.3 v
Grid reverse current, $\mu$ a	-	0,3	Heater voltage = 6.3 v Plate voltage = 100 v Grid voltage = -1.5V Grid circuit resistance = 0.5 Mohm
Plate current, ma	10	20	Heater voltage = 6.3 v Plate voltage = 100 v Grid voltage = +9v Cathode circuit resistance = 680ohm
Transconductance, ma/v	10	16	--"--
Amplification factor	24	40	--"--
First to second triode balance, %	-	+/-20%	--"--
Plate current in the beginning of the curve, $\mu$ a	-	100	Heater voltage = 6.3 v Plate voltage = 90 v Grid voltage = -8 v
Cathode to heater insulation resistance, Mohm or Cathode to heater leakage current, $\mu$ a	12,5 -	- 16	Heater voltage = 6.3 v Cathode to heater voltage = +/- 200 v

## Electrical parameters that could be changed within exploitation

Transconductance, ma/v, not less	7.5
Grid reverse current, $\mu$ a, not more	2.0

## Limited values

Heater voltage, v, not less	6.0
not more	6.6
Plate voltage, v, not more	300

Cathode to heater voltage:		
Positive, v,	not more	200
Negative, v	not more	200
Plate current, ma	not more	20
Plate dissipation power of each triode, W, not more		2.0
Each triode grid circuit resistance:		
	under automatic bias, Mohm not more	1
Plate voltage of cold tube, v, not more		1000
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	32.5
Output capacitance of each triode, pf, nominal	2.0
Transfer capacitance of each triode, pf, nominal	1.5
Plate to plate capacitance, pf, nominal	0.09