EF86/EF806SG

pin #	Electrode name
1	Grid 2
2,7	Screen
3	Cathode
4,5	Heater
6	Plate
8	Grid 3
9	Grid 1

Electrical data

Parameters, measures	Rate		Comments
	Not less	Not more	
Heater current, mA	185	215	1
Grid reverse current, µA	-	0.1	1,2,3,4,5,6
Plate current, mA	2.6	3.8	1,2,3,4,5
Grid2 current, mA	0.45	0.75	1,2,3,4,5
Transconductance, mA/V	1.6	2.4	1,2,3,4,5
Cathode to heater leakage current, µA	-	10	1,7

Comments:
1. Heater voltage 6.3v
2. Plate voltage 250v
3. Grid2 voltage 140V
4. Grid3 voltage 0V
5. Resistance in cathode circuit, 500 Ohm
6. Resistance in grid1 circuit, 3 MOhm
7. Cathode-heater voltage, ±100V

Limited values

	Not less	Not more
Heater voltage, V	5.7	6.9
Plate voltage, V	-	300
Grid2 voltage, V	-	200
Cathode-heater voltage (positive and negative), V	-	100
Cathode current, mA	-	6
Plate dissipation power, W	-	1
Grid2 dissipation power, W	-	0.2
Grid1 circuit resistance, MOhm	-	3
Envelope temperature, ⁰C	-	170

Interelectrode capacitances:

Input capacitance (nominal), pf	4.0
Output capacitance (nominal), pf	5.5
Transfer capacitance (not more), pf	0.05