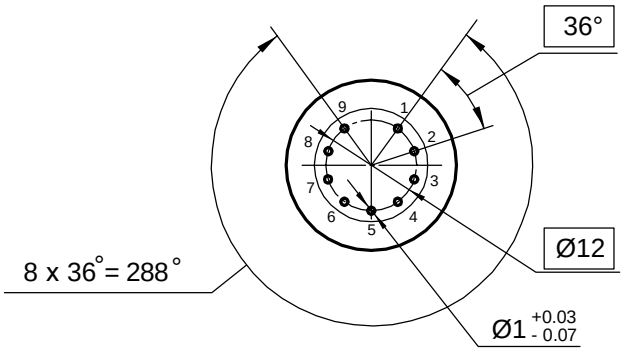
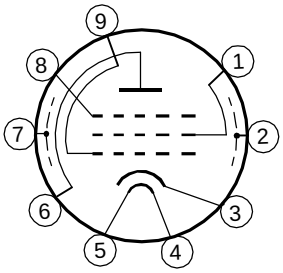
Vacuum tube EF806SG Tung - sol gold is a miniature pentode with equipotential cathode, designed to work in the input stages of sound recording and sound reproducing equipment.

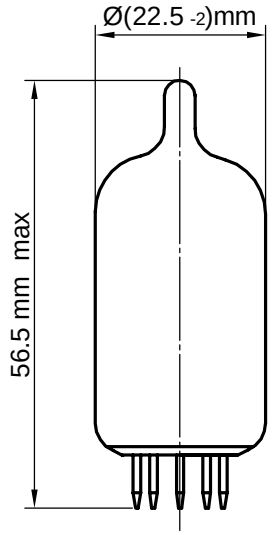
Pin arrangement



Electrode -to - lead connection diagram



Dimensions



Lead designation	Name of electrode
1	Grid 2
2, 7	Screen
3	Cathode
4, 5	Heater
6	Plate
8	Grid 3
9	Grid 1

Electrical parameters

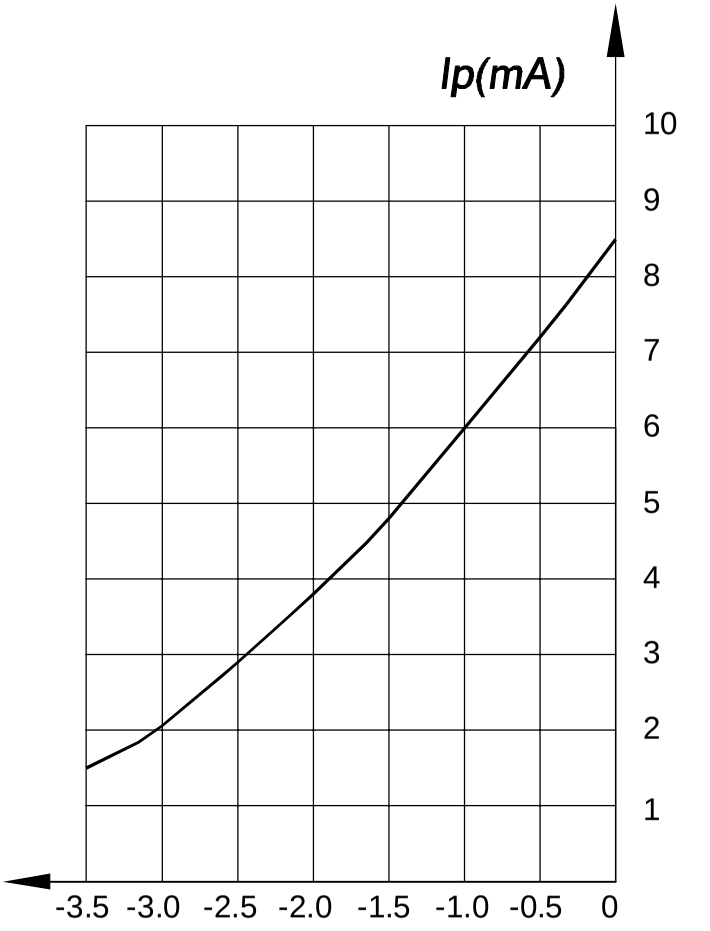
Parameters, conditions and units	Nominal	
	min	max
First grid reverse current, µA (at: filament voltage 6.3 V, plate voltage 250 V, second grid voltage 140 V, resistance in cathode circuit 0.51 k Ω, resistance in first grid circuit 3 M Ω)	—	0.1
Heater current, mA	220	260
Plate current, mA (at: filament voltage 6.3 V, plate voltage 250 V, second grid voltage 140 V, resistance in cathode circuit 0.51 k Ω)	2.6	3.8
Second grid current, mA (at: filament voltage 6.3 V, plate voltage 250 V, second grid voltage 140 V, resistance in cathode circuit 0.51 k Ω)	0.45	0.8
Slope of characteristic, mA/V (at: filament voltage 6.3 V, plate voltage 250 V, second grid voltage 140 V, resistance in cathode circuit 0.51 k Ω)	1.6	2.4

Limiting Values

Parameters, units	Nominal	
	min	max
Filament voltage, V	5.7	6.9
Plate voltage, V	—	300
Second grid voltage, V	—	200
Cathode - heater voltage, V	—	± 100
Cathode current, mA	—	6
Power dissipation at the plate, W	—	1
Power dissipation at the second grid, W	—	0.2
First grid circuit resistance , M Ω	—	3.0
Temperature at the most heated part of the envelope, K°	—	443

Ip=f(Eg1)

Ef=6.3V, Ep=250V,
Eg2=140V



Ip=f(Ep)

Ef=6.3V, Eg2=140V