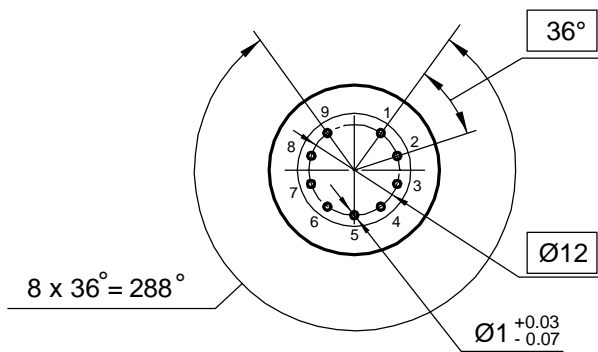
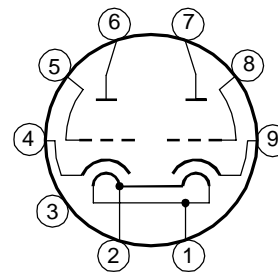


Vacuum tube 6EU7 Tung - Sol is a miniature twin triode with equipotential cathodes, designed to amplify low frequency voltage in the output stages of HI-FI audio.

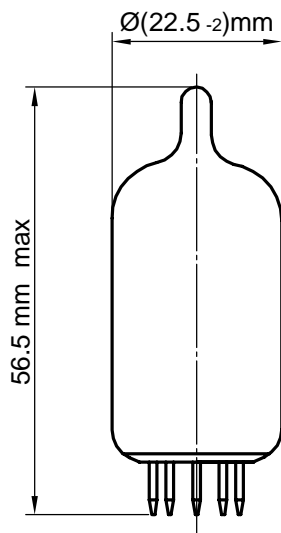
Pin arrangement



Electrode -to - lead connection diagram



Dimensions



Lead designation	Name of electrode
1, 2	Heater
3	Free
4	First triode cathode
5	First triode grid
6	First triode plate
7	Second triode plate
8	Second triode grid
9	Second triode cathode

## Electrical parameters

Parameters, conditions and units	Nominal	
	min	max
Heater current, mA	320	365
Grid reverse current, $\mu\text{A}$ , ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V, resistance in grid circuit 1.0 M $\Omega$ )	—	0.2
Plate current, mA, ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V )	0.75	2.1
First and second triodes plate current difference, % ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V )	—	$\pm 40$
Plate current at the beginning of the characteristic, $\mu\text{A}$ ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 4.5 V )		30
Slope of characteristic, mA/V ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V )	1.4	—
Amplification factor ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V )	83	—
Cathode - heater insulation resistance, M $\Omega$ ( at: filament voltage 6.3 V, cathode -heater voltage $\pm 200$ V )	20	—

## Limiting Values

Parameters, units	Nominal	
	min	max
Filament voltage, V	6	6.6
Plate voltage, V	—	330
Cathode - heater voltage, V	—	$\pm 200$
Cathode current, mA	—	9.0
Power dissipation at the plate of each triode, W	—	1.2
Grid circuit resistance for each of the triodes, M $\Omega$ fixed bias	—	1.0
self - bias	—	2.2
Grid voltage, negative, V	—	55

