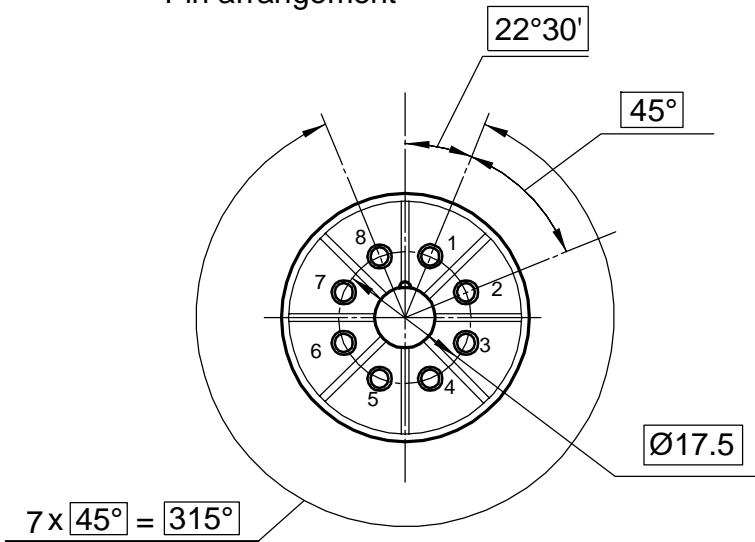


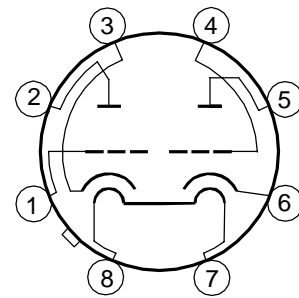
# 6SN7GTB Tung-Sol

Vacuum tube 6SN7GTB Tung-Sol is a twin triode with equipotential cathodes, designed to amplify low frequency voltage in the output stages of HI-FI audio.

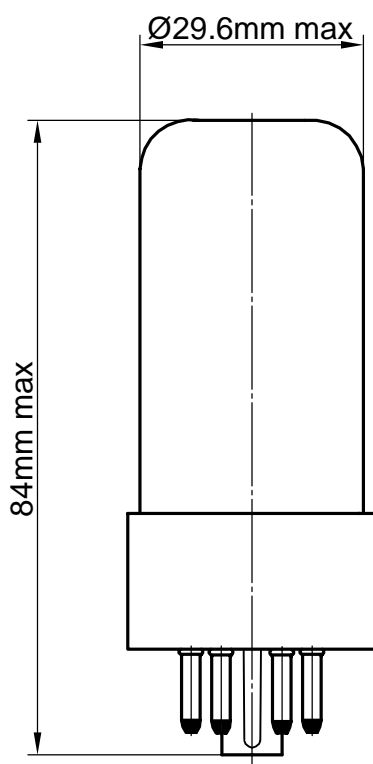
Pin arrangement



Electrode -to - lead connection diagram



Dimensions



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

## Electrical parameters

Parameters, conditions and units	Nominal	
	min	max
Heater current, mA at: filament voltage 6.3 V	550	650
Grid back current, $\mu\text{A}$ , ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 8.0 V, resistance in grid circuit 1.0 M $\Omega$ )	—	0.2
First and second triodes plate current difference, % ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 8.0 V)	—	$\pm 30$
Plate current, mA, ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 8.0 V)	7.0	13.0
Slope of characteristic, mA/V ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 8.0 V)	2.0	3.6
Amplification factor ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 8.0 V)	16.5	—
Plate current at the beginning of the characteristic, $\mu\text{A}$ ( at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 18.0 V)	—	50
Cathode - heater insulation resistance, M $\Omega$ ( at: filament voltage 6.3 V, cathode - heater voltage $\pm 200$ V)	13.3	—

## Limiting Values

Parameters, units	Nominal	
	min	max
Filament voltage, V	6.0	6.6
Plate voltage, V	—	450
Cathode - heater voltage, V	—	$\pm 200$
Cathode current, mA	—	20
Power dissipation at the plate of each triode, W	—	2.5
Grid circuit resistance for each of the triodes, M $\Omega$		
fixed bias	—	1.0
self - bias	—	2.0

6SN7GTB Tung-Sol

