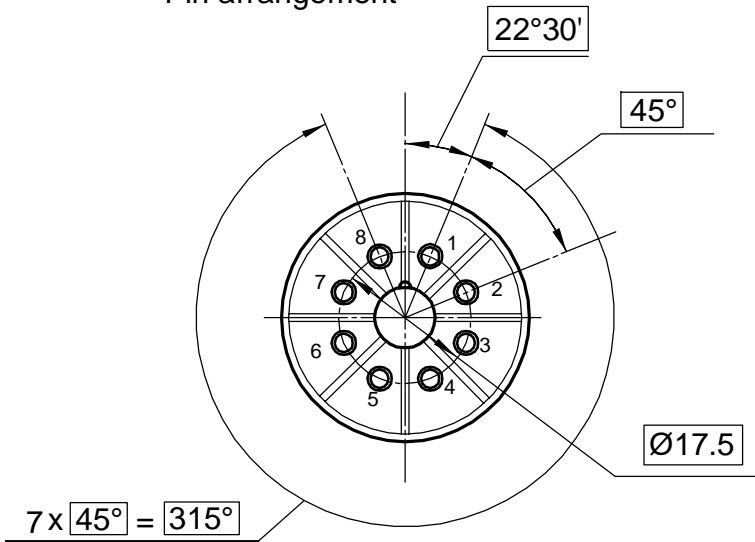


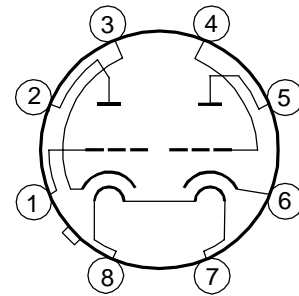
6SL7GT Tung-Sol gold

Vacuum tube 6SL7GT Tung-Sol gold is a twin triode with equipotential cathodes, designed to amplify low frequency voltage in radio engineering devices.

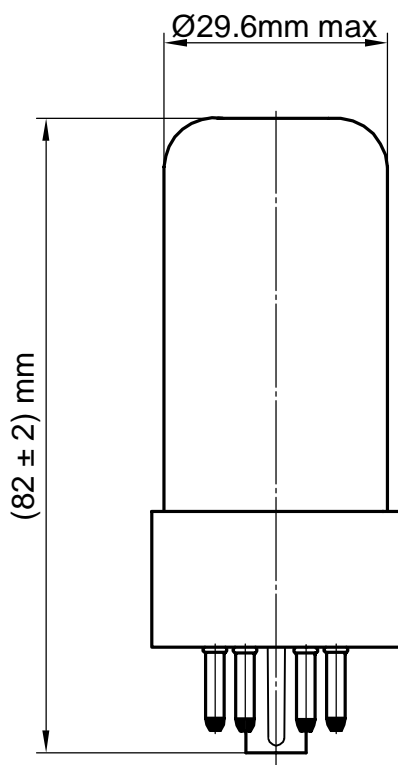
Pin arrangement



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 | 400 | 450 |
| Grid back current, μA , (at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V, resistance in grid circuit 1.0 M Ω) | — | 0.5 |
| First and second triodes plate current difference, % (at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V) | — | ± 35 |
| Plate current, mA, (at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V) | 1.2 | 3.8 |
| Slope of characteristic, mA/V (at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V) | 1.2 | 2.5 |
| Amplification factor (at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 2.0 V) | 55 | 85 |
| Plate current at the beginning of the characteristic, μA (at: filament voltage 6.3 V, plate voltage 250 V, grid voltage minus 12.0 V) | — | 20 |
| Cathode - heater insulation resistance, M Ω (at: filament voltage 6.3 V, cathode - heater voltage ± 200 V) | 10 | — |

Limiting Values

| Parameters, units | Nominal | |
|---|---------|-----------|
| | min | max |
| Filament voltage, V | 5.7 | 7.0 |
| Plate voltage, V | — | 300 |
| Grid voltage, negative, V | — | 50 |
| Cathode - heater voltage, V | — | ± 200 |
| Cathode current, mA | — | 10 |
| Power dissipation at the plate of each triode, W | — | 1.2 |
| Grid circuit resistance for each of the triodes, M Ω fixed bias | — | 1.0 |
| self - bias | — | 2.0 |
| Temperature at the most heated part of the envelope, K $^{\circ}$ | — | 363 |

