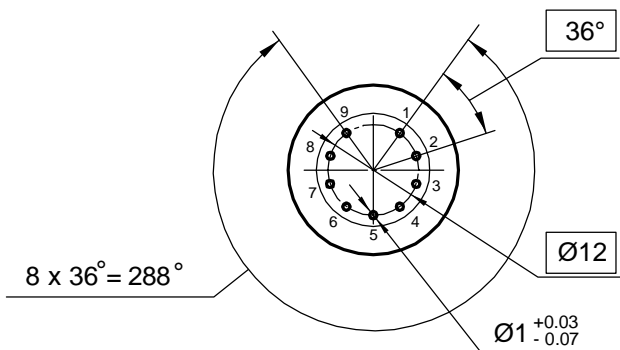
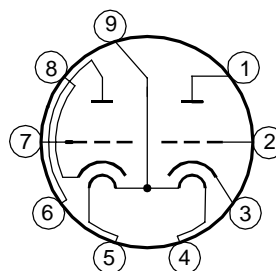


Vacuum tube 12AX7WB/7025 is a miniature twin triode with equipotential cathodes, designed to amplify low frequency voltage in radio engineering devices.

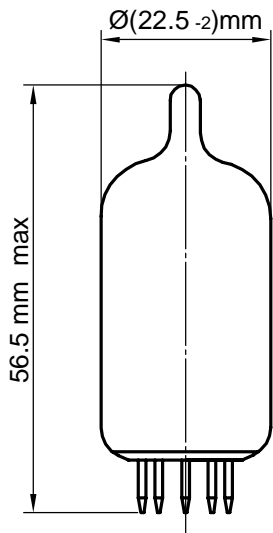
Pin arrangement



Electrode -to - lead connection diagram



Dimensions



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

Electrical parameters

| Parameters, conditions and units | Nominal | |
|--|------------|------------|
| | min | max |
| Heater current, mA at: filament voltage 6.3 V at: filament voltage 12.6 V | 300 150 | 340 170 |
| Grid reverse current, μA , (at: filament voltage 6.3 V or 12.6 V, plate voltage 250 V, grid voltage minus 1.5 V, resistance in grid circuit 1.0 M Ω) | — | 0.2 |
| Plate current, mA, (at: filament voltage 6.3 V or 12.6 V, plate voltage 250 V, grid voltage minus 1.5 V) | 1.2 | 3.0 |
| First and second triodes plate current difference, % (at: filament voltage 6.3 V or 12.6 V, plate voltage 250 V, grid voltage minus 1.5 V) | — | ± 40 |
| Plate current at the beginning of the characteristic, μA (at: filament voltage 6.3 V or 12.6 V, plate voltage 250 V, grid voltage minus 5.5 V) | — | 20 |
| Slope of characteristic, mA/V (at: filament voltage 6.3 V or 12.6 V, plate voltage 250 V, grid voltage minus 1.5 V) | 1.4 | — |
| Amplification factor (at: filament voltage 6.3 V or 12.6 V, plate voltage 250 V, grid voltage minus 1.5 V) | 95 | 125 |
| Cathode - heater insulation resistance, M Ω (at: filament voltage 6.3 V or 12.6 V, cathode -heater voltage ± 200 V) | 20 | — |

Limiting Values

| Parameters, units | Nominal | |
|--|---------|-------------|
| | min | max |
| Filament voltage, V for parallel connection for series connection | 6 12 | 6.6 13.2 |
| Plate voltage, V | — | 300 |
| Cathode - heater voltage, V | — | ± 200 |
| Cathode current, mA | — | 10 |
| Power dissipation at the plate of each triode, W | — | 1.0 |
| Grid circuit resistance for each of the triodes, M Ω fixed bias self - bias | — — | 1.0 2.2 |
| Temperature at the most heated part of the envelope, K $^{\circ}$ | — | 368 |

