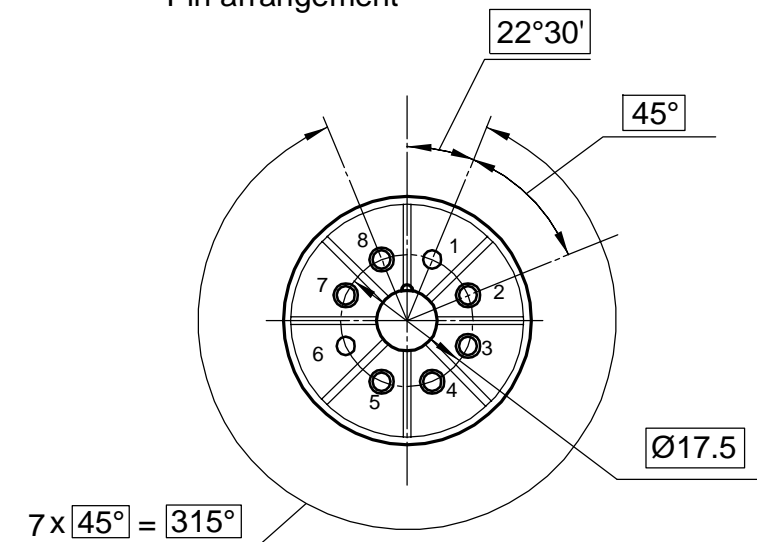


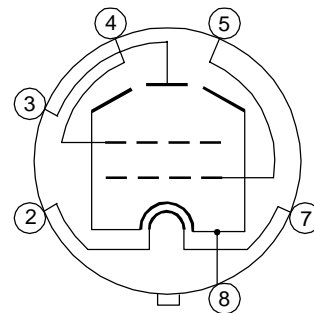
6V6GT/6V6EH

Vacuum tube 6V6GT/6V6EH is a beam tetrode in the glass bulb, with equipotential cathode, designed to amplify low frequency power in the output stages of HI - FI audio.

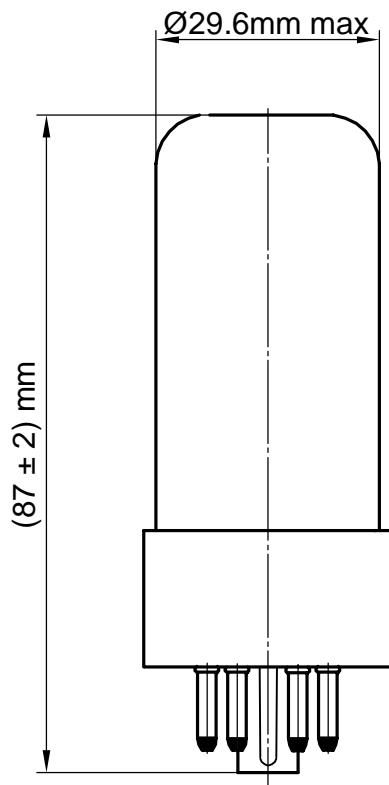
Pin arrangement



Electrode -to - lead connection diagram



Dimensions



Lead designation	Name of electrode
1, 6	No
2, 7	Heater
3	Plate
4	Grid 2
5	Grid 1
8	Cathode, beam-forming screen

Electrical parameters

Parameters, conditions and units	Nominal	
	min	max
First grid reverse current, μA (at: filament voltage 6.3 V, plate voltage 250 V, first grid voltage minus 12.5 V, second grid voltage 250 V, first grid circuit resistance 0.1 M Ω)	—	2.0
Heater current, mA	460	530
Plate current, mA (at: filament voltage 6.3 V, plate voltage 250 V, first grid voltage minus 12.5 V, second grid voltage 250 V)	33	59
Second grid current, mA (at: filament voltage 6.3 V, plate voltage 250 V, first grid voltage minus 12.5 V, second grid voltage 250 V)	—	8.0
Output power, W (at: filament voltage 6.3 V, plate voltage 250 V, first grid voltage minus 12.5 V, second grid voltage 250 V, plate circuit resistance 5.0 k Ω , first grid alternating voltage, efficacious 8.8 V)	3.2	—
Output power at low voltage, W (at: filament voltage 5.7 V, plate voltage 250 V, first grid voltage minus 12.5 V, second grid voltage 250 V, plate circuit resistance 5.0 k Ω , first grid alternating voltage, efficacious 8.8 V)	2.9	—
Slope of characteristic, mA/V (at: filament voltage 6.3 V, anode voltage 250 V, first grid voltage minus 12.5 V, second grid voltage 250 V)	3.0	5.2
Cathode - heater insulation resistance, M Ω (at: filament voltage 6.3 V, cathode -heater voltage ± 100 V)	2.0	—

Operating conditions limits

Parameters, units	Nominal	
	min	max
Filament voltage, V	5.7	7.0
Cathode - heater voltage, V	—	± 180
Power dissipation at the plate, W	—	13.2
Power dissipation at the second grid, W	—	2.2
First grid circuit resistance, M Ω fixed bias	—	0.1
self - bias	—	0.51
Temperature at the most heated part of the envelope, K $^{\circ}$	—	483

6V6GT/6V6EH

