

12AY7EH

pin #	Electrode name
1	Plate of 2 nd triode
2	Grid of 2 nd triode
3	Cathode of 2 nd triode
4,5,9	Heater
6	Plate of 1 st triode
7	Grid of 1 st triode
8	Cathode of 1 st triode

Electrical data of new tube

		Comment
Heater current, mA	not less	300
		150
		350
	not more	175
Grid reverse current, μ A, not more		0.2
Plate current, mA	not less	2.2
	not more	3.75
Transconductance, mA/V, not less		1.3
	not more	2.1
Amplification factor, not less		35
Cathode to heater leakage current, μ A		10
	not more	
Plate current at the beginning of the curve, μ A		25
	not more	

Comments:

Plate voltage 6.3v

Heater voltage 12.6v

Heater voltage 6.3v or 12.6v

Plate voltage 250v, grid voltage -8.5v, grid circuit resistance 0,25MOhm

Plate voltage 250v, grid voltage -8.5v

Plate voltage 250v, grid voltage -24v

Limited values

Heater voltage, V,	not less	6.0 or 12.0
	not more	6.6 or 13.2
Plate voltage, V,	not more	300
Cathode to heater voltage:		
Positive, V,	not more	100
Negative, V	not more	100
Cathode current, mA	not more	10
Plate dissipation power of each triode, W, not more		1.5
Each triode grid circuit resistance:		
under fixed bias, Mohm, not more		1.0
under automatic bias, Mohm not more		2.0

The tube can't be exploited at two or more limited conditions.

Interelectrode capacitances:

Input capacitance of each triode, pf, nominal	1.3
Output capacitance of each triode, pf, nominal	0.6
Transfer capacitance of each triode, pf, nominal	1.3