6CA7EH

Electrical data

Cathode	Oxide, indirect heating
Heater current (at heater voltage = 6.3v)	1.5 ±0.1 A
Cathode to heater voltage	± 300 V
Plate current	100 ± 20mA *
2nd grid current	Less or equal 20 mA *
Transconductance	10 mA/V *
Output power	More or equal 9.0 W**
Non-linear harmonic distortion coefficient	Less or equal 13.5 % **

Comments:

* Uh = 6.3V; Up = 250V; Ug_2 = 250V; Ug_1 = -13.5V

** Uh = 6.3V; Up = 250V; Ug_2 = 250V; Ug_1 = -13.5V; $Ug_{1\ alt.eff.}$ = 9.6V; R_{load} =2.0 KOHm

Mechanical data

Envelope	Glass balloon
Base	Octal
Operating position	Any
Dimensions:	
Maximum height	110 mm
Glass outer diameter	38 mm
Maximum weight	60 g

Limited values

	min	max
Heater voltage	5.7V	7.0 V
Plate voltage		800 V
2nd grid voltage		425 V
1st grid negative voltage (max)		100 V
Cathode current		150 mA
Plate dissipation power		25 W
2nd grid dissipation power		8 W
Cathode to heater voltage:		
Positive		300 V
Negative		300 V
1st grid circuit resistance		
Under fixed bias		0.5 MOhm
Under automatic bias		0.7 MOhm