KT88EH

Electrical data

Cathode	Oxide, indirect heating
Filament voltage (AC, DC)	6.3 v
Heater current	1.6 A
Cathode to heater voltage:	
Under positive polarity at cathode	300 V
Under negative polarity at cathode.	200V
Interelectrode capacitance:	
Input (nominal)	18.5 pF
Output (nominal)	12.5 pF
Transfer (nominal)	1.1 pF

Mechanical data

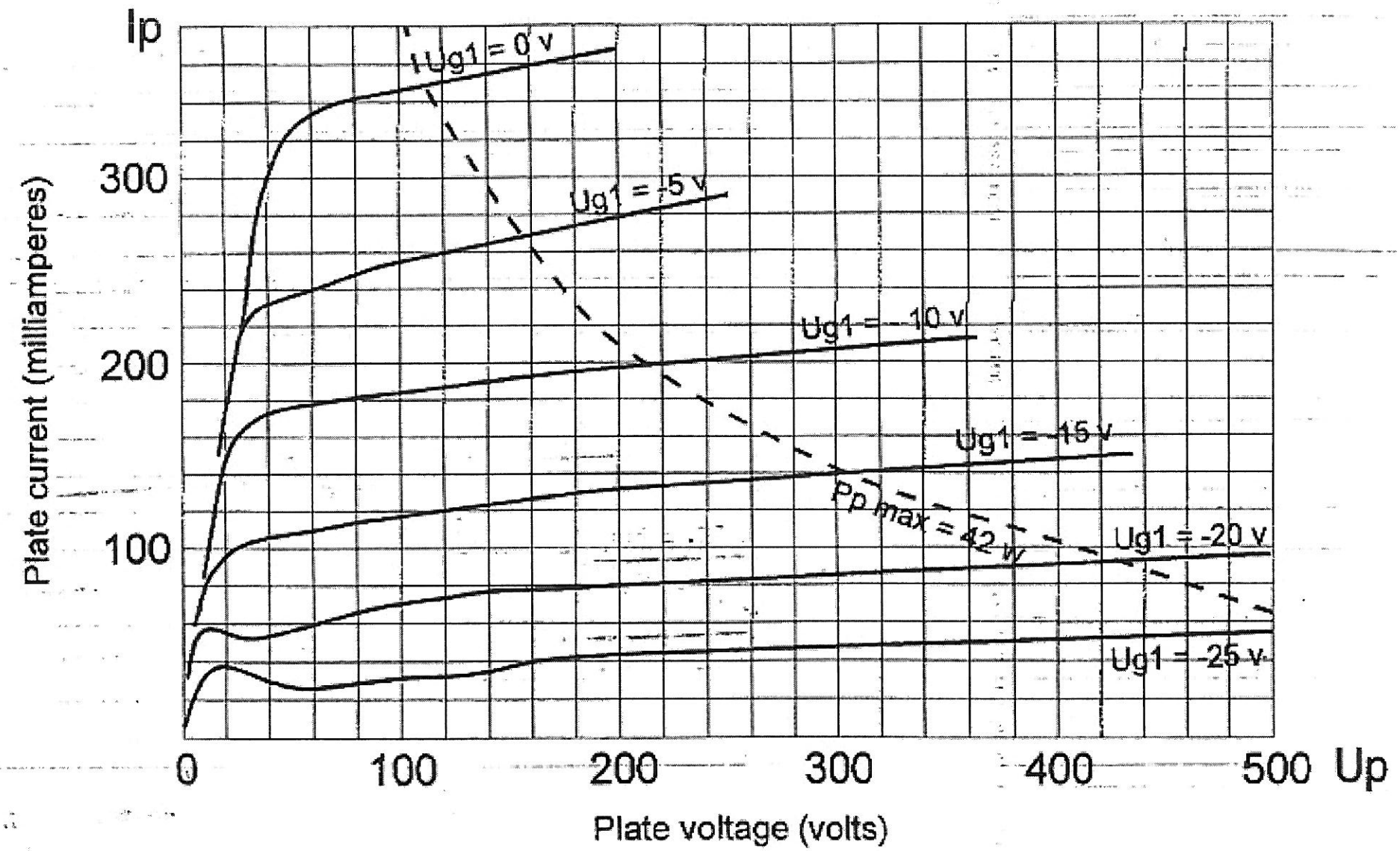
Envelope	Glass balloon
Socket	Octal
Operating position	Any
Dimensions:	
Maximum height	125 mm
Balloon diameter, max	52 mm
Maximum weight	100 g

Typical operation

Plate voltage	400 v
Grid 2 voltage	225 v
Grid1 voltage	- 16.5 v
Plate current (without input signal)	90 mA
Grid 2 current (without input signal)	5 mA
Transconductance	9.5 mA/V
Load resistance	3 kOhm
Amplitude of input voltage	16.5 v
Output power	20 W
Non-linear distortions	13.5%

Limiting values

	triode scheme		tetrode scheme	
	min	max	min	max
Filament voltage (AC, DC)	5.7 v	6.9 v	5.7 v	6.9 v
Plate voltage, DC		440 v		800 v
Grid 2 voltage, DC		440 v		600 v
Grid 1 negative voltage		300 v		300 v
Plate dissipation		44 w		42 w
Grid 2 dissipation		6.6 w		6.6 w
Cathode current		193 mA		230 mA
Resistance in grid1 circuit				
at fixed (clamp) bias		0.051MOh		0.051 MOh
at automatic bias		0.24 MOh		0.24 MOh
Envelope temperature at hottest point		250° C		250° C


KT88EH
Ug2 = 250 V, Uf = 6.3 V
Ip
Ug1 = 0 v
Ug1 = -5 v
Ug1 = -10 v
Ug1 = -15 v
Pp max = 42 W
Ug1 = -20 v
Ug1 = -25 v
Plate current (milliamperes)
300
200
100
0
100
200
300
400
500
Up
Plate voltage (volts)

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Up = 400 V, Ug2 = 225 V, Uf = 6.3 V