Hi-Fi Series: classic style, exquisite craft, comprehensive and balanced sound performance, largest sales volume over the world, best choice for you .

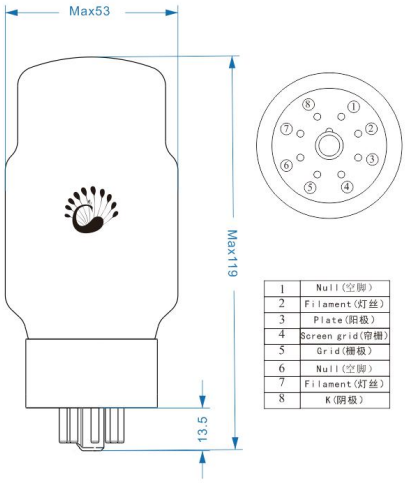
KT88

KT88 is a beam power tetreode, its anode limited dissipation power is 42W. In the audio amplifier, the power can be 100W when it is used as push-pull class AB1 with double tubes, it can also be used in electronic voltage regulator circuit. KT88 is similar with CV5220 and 6550,they can be replaced by each other.

Heater

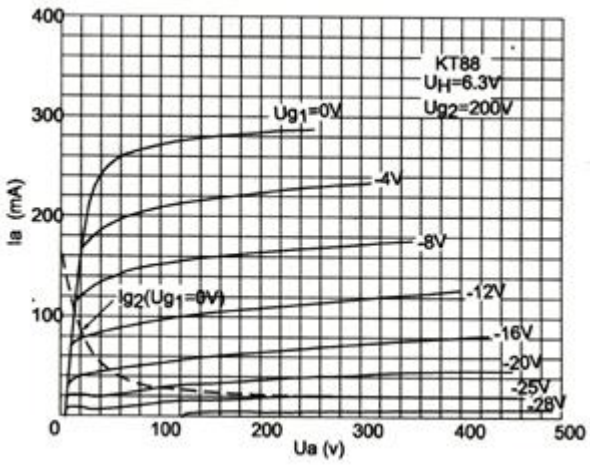
UH…… 6.3 V

IH…… 1.6 A



Maximum Rating

	KT94	KT100	KT94	KT100	
Ua……	800	800	800	800	V
Ug2……	600	600	600	600	V
Ug1……	-200	-200	-200	-200	V
Pa……	42	45	35	40	W
Pg2……	8	8	6	6	W
Pa+g2…	46	49	40	45	W
Ik……	230	230	230	230	mA
Uh-k……	200	200	250	250	V
Tbulb……	250	250	250	250	C



Rg1

with cathode bias

--- ---Pa + Pg2≤ 35W 0.47 MΩ

--- ---Pa +Pg2 > 35W 0.27 MΩ

with fixed bias

--- ---Pa +Pg2≤35W 0.22 MΩ

--- ---Pa +Pg2> 35W 0.10 MΩ

Direct Interelectrode Capacitances

--- - - --triode connection and tetrode connection

input…… 16--- -9.3 PF

output…… 12 --- -17 PF

grid to plate…… 1.2 ----7.9 P

Static parameter

tetrode connection

Ua……250V

Ug2…… 250V

a…… 140mA

Ig2(approx)…… 3mA

-Ug1(approx)……15V

Gm…… 12mA/V

ri ……12KΩ

μg1-g2…… 8

triode connection

Ua.g2……250V

Ia+g2……143mA

-Ug1(approx)… 15V

Gm……12mA/V

ri……670Ω

μ…… 8

Series KT88 KT94 KT100

KT88-978

Recommended Operating Conditions (reference value)

Push-pull.classAB1.cathode bias.triode connection.

Ua.g2(b)……400 485 V

Ua.g2(0)……349 422 V

Ia+g2(0)·····2×76 2×94 mA

Ig+Ig2(max.sig)·····2×80 2×101mA

RL(a-a)·····4 4 KΩ

-Ug(approx)····· 40 50 V

Pout····· 17 31 W

Dtot ····· 1.5 1.5 %

Pa.g2(0)····· 2×26.5 2×40W

Pa.g2(max.sig)····· 2 ×19 2×27 W

Rk·····2×525 2×525Ω

ū (g1-g1.pk) ····· 78 114 V

Zout····· 2 1.9 KΩ

Push-pull.classAB1.cathode bias.tetrode connection.

Ua(b)·····560 V

Ua(0)·····521 V

Ug2····· 300 V

Ia(o)·····2×64 mA

Ia(max.sig)·····2×73 mA

Ig2(0)·····2×1.7 mA

Ig2(max.sig)····· 2×9 mA

RL(a-a)····· 9 kΩ

Rk·····2×460 Ω

-Ug1(approx)·····30 V

Pout·····50 W

Dtot·····3 %

Pa(0) ·····2×33 W

Pa(max.sig) ·····2×28 W

Pa2(0) ·····2×0.5 W

Pg2(max.sig) ·····2×0.7 W

(g1-g1.pk) ·····60 V