

# Shuguang Vacuum Tube KT Series

## Beam Tetrode: KT88-98 (KT88)

*Compatible with: 6550 and CV5220*

### DESCRIPTION

The power dissipation of beam power tube KT88-98 can deliver power of 42W. For audio frequency amplifier, if two tubes are used as class AB amplification, the output power can reach 100W. At the same time, KT88-98 can also be used in rectifying circuitry. KT88-98 is the compatible with CV5220 and 6550, and can be replaced each other



## SPECIFICATION

### Filament Heating

UH.....6.3V

IH.....1.6A

### Maximum Ratings

	KT94	KT100	KT94	KT100
Plate voltage.....	800	800	800	800V
Second grid voltage.....	600	600	600	600V
First grid voltage.....	200	-200	-200	-200V
Plate power dissipation.....	42	45	35	40W
Second grid power dissipation..	8	8	6	6W
Plate plus second grid power dissipation	46	49	40	45W
cathode current.....	230	230	230	230mA
heater voltage between cathodes	200	200	250	250V
temperature of glass crust.....	250	250	250	250 C

### First grid resistance

For self-biasing

$P_a + P_{g2} < 35W$  0.47 M  $\Omega$

$P_a + P_{g2} > 35W$  0.27 M  $\Omega$

For fixed-biasing

$P_a + P_{g2} < 35W$  0.22 M  $\Omega$

$P_a + P_{g2} > 35W$  0.10 M  $\Omega$

### Capacitance

Tetrode config. Triodes config.

Input capacitance..... 16---- 9.3pF

Output capacitance..... 12 ---- 17pF

Muller capacitance..... 1.2 ----7.9pF

### DC Parameters

#### Tetrode config.

Ua.....250V

Ug2..... 250V

a..... 140mA

Ig2(approx)..... 3mA

-Ug1(approx)..... 15V

Gm..... 12mA/V

ri .....12K  $\Omega$

ug1-g2..... 8

#### Triodes config.

Ua.g2.....250V

Ia+g2.....143mA

-Ug1(approx)... 15V

Gm.....12mA/V

ri.....670  $\Omega$

u ..... 8

