

# Groove Tubes

## SPECIFICATION SHEET

March 1998

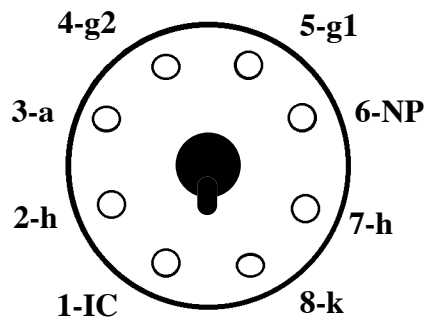
# GTKT88sv

## BEAM TETRODE

6.3V INDIRECTLY HEATED

**Description:** A GT exclusive reissued design of the classic 60's Genelex original. Replaces 6550 and/or EL34 in most amps. Produces identical tone and power of the legendary UK made power tube. Features a warmer tone, tighter bass response and improved dynamic range due in part to GT's exclusive heat sink wings added to the plate structure. Available in Blue and Red glass for an extra charge.

### BASE CONNECTIONS



### MAXIMUM RATINGS

	Design	Absolute
$V_a$	800V	800V
$V_{g2}$	600V	600V
$V_{a,g2}$	600V	600V
$-V_{g1}$	200V	200V
$I_k$	200mA	200mA
$P_a$	35W	42W
$P_{g2}$	6W	8W
$*P_{a+g2}$	7W	40W
$V_{h-k}$	200V	200V
$T_{bulb}$	250 deg.C	250 deg.C

### TYPICAL OPERATION CHARACTERISTICS

#### Ultra-linear Connections Push-Pull 40% Taps. Class AB1 Cathode Bias

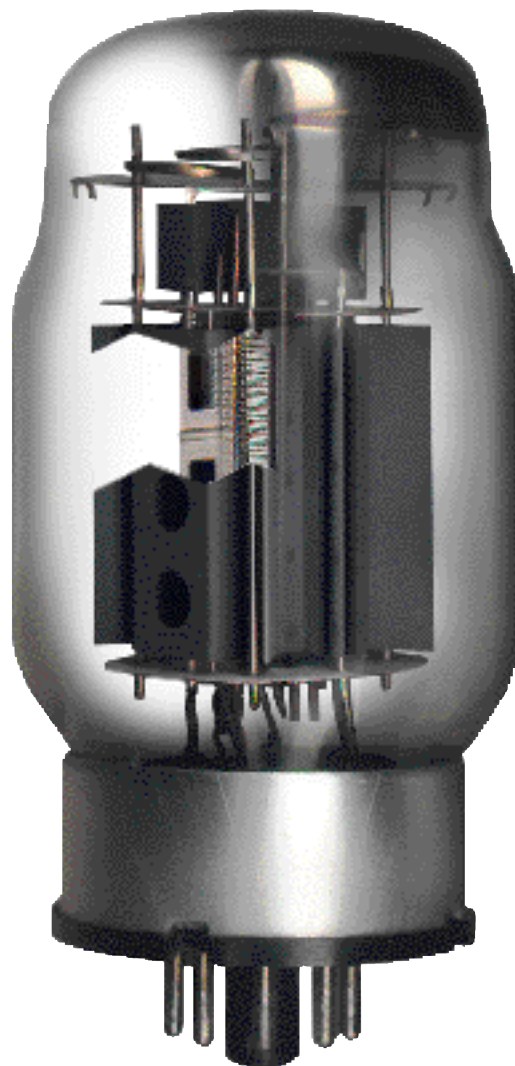
$V_{a(b)}$	500V
$V_{g2(0)}$	436V
$I_{a+g2(0)}$	2 x 87mA
$I_{a+g2(max\ sig.)}$	2 x 99 mA
$P_{a+g2(0)}$	2x 38W
$P_{a+g2(max\ sig.)}$	2x 17W
* $R_k$	2x 600 ohms
$-V_g$ (Approx)	52v (1)
$P_{out}$	50w
$R_L$	6k ohms
$Z_{out}$	5k ohms
$D_{tot}$	1.5%
IM	4%

\* It is essential to use two separate cathode bias resistors.

#### Ultra-linear Connections Push-Pull 40% Taps. Class AB1 Fixed Bias

$V_{ag2(0)}$	553V
$V_{a,g2(6)}$	560V
$I_{a+g2(0)}$	2 x 50mA
$I_{a+g2(max\ sig.)}$	2 x 157mA
$P_{a+g2(0)}$	2x 27.5W
$P_{a+g2(max\ sig.)}$	2x 33W
* $-V_{g1}$ (approx)	75V (1)
$R_l(a-a)$	4k ohms
$V_{in(g1-g1)(pk)}$	140V
$P_{out}$	100W
$D_{tot}$	2%
IM	11%
$Z_{out}$	7k ohms

\* A negative bias range of +/-25% should be available for each tube.



Typical AB1 amp Idle Current ranges from:

\_\_\_ mA- \_\_\_ mA @ \_\_\_ - \_\_\_ vdc on  $V_a$  (plate)  
\_\_\_ mA- \_\_\_ mA @ \_\_\_ - \_\_\_ vdc on  $V_a$ . (plate)



**Groove Tubes**...the American Tube Company since 1979

1543 Truman St., San Fernando, CA 91340, 818-361-4500 fax 818-365-9884 [www.groovetubes.com](http://www.groovetubes.com)