

# EBL21

## DOUBLE DIODE OUTPUT PENTODE

### HEATER

$V_h$	6.3	V
$I_h$	800	mA

### DIMENSIONS

Max. Overall Length	96	mm
Max. Bulb Diameter	29	mm

### LIMITING VALUES

#### Pentode Section

$V_a$ max.	300	V
$p_a$ max.	11	W
$V_{g2}$ max.	300	V
$p_{g2}$ max.	3.5	W
$I_k$ max.	60	mA
$V_{h-k}$ max.	50	V

#### Diode Sections (each section)

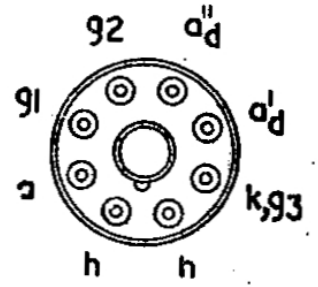
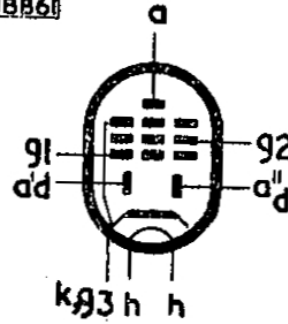
$V_{ad}$ max.	200	V
$I_{ad}$ max.	800	$\mu$ A

### OPERATING CONDITIONS

(As single valve class "A" amplifier)

$V_a$	250	250	V
$V_{g2}$	250	275	V
$I_a$	36	44	mA
$I_{g2}$	4.5	5.8	mA
$R_k$	150	125	$\Omega$
$R_a$	7.0	5.7	k $\Omega$
$V_{in(r.m.s.)}$	4.2	4.5	V
$P_{out}$	4.5	5.5	W
$D_{tot}$	10	10	%

BB61



B8G

### CHARACTERISTICS

$V_a$	250	250	V
$V_{g2}$	250	275	V
$V_{g1}$	-6.0	-6.2	V
$I_a$	36	44	mA
$I_{g2}$	4.5	5.8	mA
$g_m$	9.0	9.5	mA/V
$\mu_{g1-g2}$	23	23	
$r_a$	50	50	k $\Omega$

### OPERATING CONDITIONS

Two valves in class "AB" push-pull

$V_a$	300	V
$V_{g2}$	300	V
* $R_k$	130	$\Omega$
$I_{a(0)}$	2 x 30	mA
$I_a$ (max. sig.)	2 x 36	mA
$I_{g2(0)}$	2 x 3.8	mA
$I_{g2}$ (max. sig.)	2 x 6.5	mA
$R_{a-a}$	9.0	k $\Omega$
$V_{in(g1-g1)}$ r.m.s.	14	V
$P_{out}$	13.2	W
$D_{tot}$	1.8	%

\*Common cathode bias resistor

REPLACEMENT FOR: DN143—Direct.