

EL36

OUTPUT PENTODE (OBSOLETE)

HEATER

V_h	6.3	V
I_h	1.2	A

DIMENSIONS

Max. Overall Length	143	mm
Max. Seated Height	129	mm
Max. Diameter	52	mm

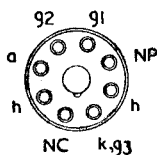
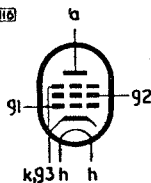
LIMITING VALUES

V_a max.	250	V
p_a max.	18	W
V_{g2} max.	275	V
p_{g2} max.	3.0	W
I_k max.	90	mA
V_{h-k} max.	50	V

CHARACTERISTICS

V_a	250	V
V_{g2}	250	V
V_{g1}	-7.0	V
I_a	72	mA
I_{g2}	8.0	mA
g_m	14.5	mA/V
r_a	20	k Ω
μ_{g1-g2}	20	

(8316)



Octal

OPERATING CONDITIONS

(As single valve class "A" amplifier)

V_a	250	V
V_{g2}	250	V
R_k	90	Ω
I_a	72	mA
I_{g2}	8.0	mA
R_{a-a}	3.5	k Ω
P_{out}	8.0	W
$V_{In(r.m.s.)}$	4.8	V
D_{tot}	10	%

OPERATING CONDITIONS FOR TWO VALVES IN PUSH-PULL

(Self Bias)

V_a	250	V
V_{g2}	250	V
* R_k	90	Ω
$I_{a(o)}$	2 × 45	mA
I_a (max. sig.)	2 × 53	mA
$I_{g2(o)}$	2 × 5.1	mA
I_{g2} (max. sig.)	2 × 8.5	mA
R_{a-a}	5.0	k Ω
P_{out}	14.5	W
D_{tot}	2.2	%
$V_{In(g1-g1)r.m.s.}$	14.5	V

*Common cathode bias resistor.

REPLACED BY: EL37—Direct substitute in single valve output stages, but may require some alteration in push-pull stages.

Note by FP: This Mullard EL36 was the EL6 with Octal base.

Later the EL36 became the Line Output Pentode, the 6.3V version of the PL36.

