

OUTPUT PENTODE

EL90 (Cont.)

OPERATING CONDITIONS (As single valve class "A" amplifier)

V_a	180	250	V
V_{g2}	180	250	V
R_k	270	250	Ω
$I_{a(o)}$	29	45	mA
I_a (max. sig.)	30	47	mA
$I_{g2(o)}$	3.0	4.5	mA
I_{g2} (max. sig.)	4.0	7.0	mA
R_a	5.5	5.0	$k\Omega$
$V_{in(r.m.s.)}$	6.0	8.8	V
P_{out}	2.0	4.5	W
D_{tot}	8.0	8.0	%

OPERATING CONDITIONS

Two Valves in Class "AB" Push-pull (Self Bias)

V_a	250	V
V_{g2}	250	V
$I_{a(o)}$	2×35	mA
I_a (max. sig.)	2×38.5	mA
$I_{g2(o)}$	2×2.5	mA
I_{g2} (max. sig.)	2×6.5	mA
R_k	200	Ω
R_{a-a}	10	$k\Omega$
P_{out}	10	W
$V_{in(g1-g1)r.m.s.}$	21	V
D_{tot}	5.0	%

REPLACEMENT FOR: N727/6AQ5, 6AQ5—Direct.

EL90

OUTPUT PENTODE

HEATER

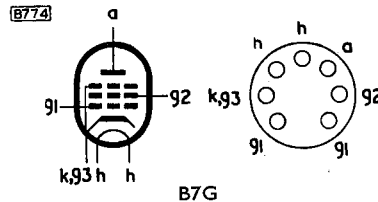
V_h	6.3	V
I_h	450	mA

DIMENSIONS

Max. Overall Length	67.5	mm
Max. Seated Height	60.5	mm
Max. Diameter	19	mm

LIMITING VALUES

V_a max.	250	V
V_{g2} max.	250	V
p_a max.	12	W
p_{g2} max.	2.0	W
I_k max.	55	mA
V_{h-k} max.	90	V



CHARACTERISTICS

V_a	180	250	V
V_{g2}	180	250	V
I_a	29	45	mA
I_{g2}	3.0	4.5	mA
V_{g1}	-8.5	-12.5	V
g_m	3.7	4.1	mA/V
μ_{g1-g2}	10	10	
r_a	58	52	$k\Omega$