

EF80

HIGH SLOPE R.F. PENTODE

High slope r.f. pentode primarily intended for r.f. or i.f. amplification in television receivers. It is suitable for use as a video amplifier, mixer or synchronising pulse separator.

HEATER

V_h	6.3	V
I_h	300	mA

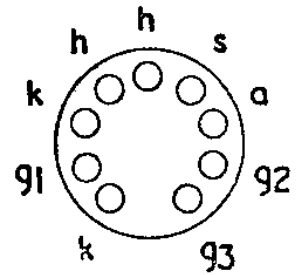
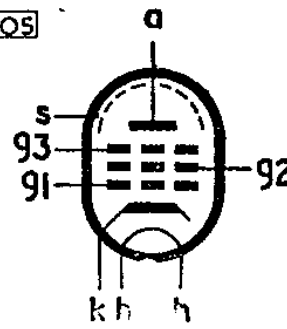
CAPACITANCES

$C_{in(g1)}$	7.5	pF
$C_{in(g2)}$	5.4	pF
C_{out}	3.3	pF
C_{a-g1}	<0.007	pF
C_{g2-g1}	2.6	pF
C_{a-k}	<0.01	pF
C_{g1-h}	<0.15	pF

LIMITING VALUES

V_a max.	300	V
p_a max.	2.5	W
V_{g2} max.	300	V
p_{g2} max.	700	mW
I_k max.	15	mA
V_{h-k} max.	150	V

B9Q5



B9A

DIMENSIONS

Max. Overall Length	67.5	mm
Max. Seated Height	60.5	mm
Max. Diameter	22.2	mm

CHARACTERISTICS

V_a	170	V
V_{g2}	170	V
V_{g3}	0	V
I_a	10	mA
I_{g2}	2.5	mA
V_{g1}	-2.0	V
g_m	7.4	mA/V
r_a	400	k Ω
μ_{g1-g2}	50	
R_{eq}	1.0	k Ω
R_{in} (at 50Mc/s)	10	k Ω

REPLACEMENT FOR: Z152, Z719, 6BX6—Direct.

TSP4—Change base, raise heater voltage to 6.3V. Adjust bias.

EE50—In some cases.