

S.Q. TUBE

Triode designed for use as grounded grid U.H.F. amplifier for frequencies up to 500 MHz.

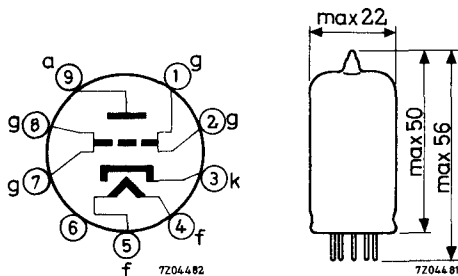
QUICK REFERENCE DATA

Life test	500 hours
Base	Noval. Gold plated pins
Heating	Indirect A.C. or D.C.; parallel supply
Heater voltage	V_f 6.3 V
Heater current	I_f 430 mA
Mutual conductance	S 12 mA/V

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Noval



CHARACTERISTICS

Anode voltage	V_a	250 V
Grid voltage	$-V_g$	1.5 V
Anode current	I_a	15 mA
Mutual conductance	S	12 mA/V
Amplification factor	μ	80

CAPACITANCES

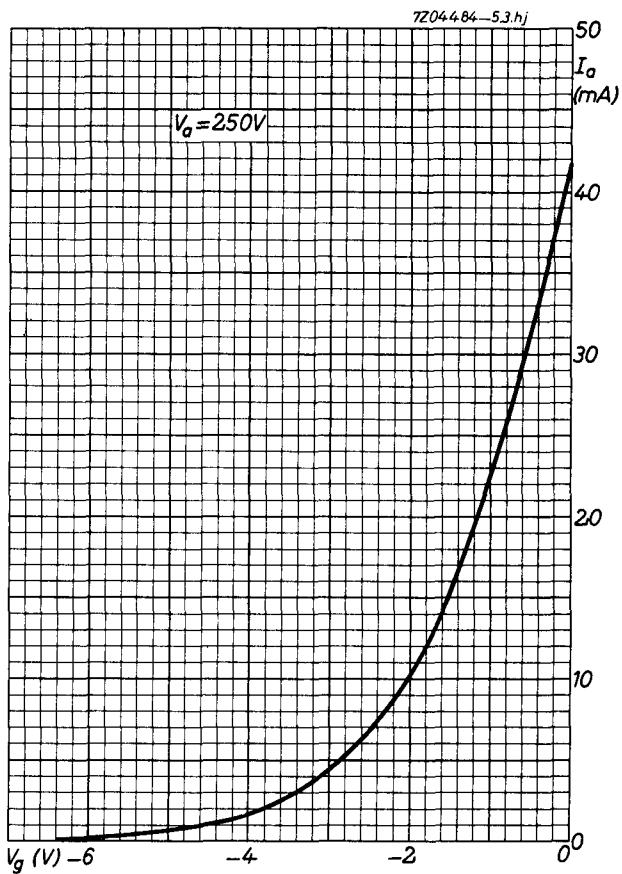
Grid and pin No.6 to cathode and heater	$C_{gp6/kf}$	5.1 pF
Grid, heater and pin No.6 to cathode	$C_{gfp6/k}$	9.3 pF
Anode to cathode	C_{ak}	max. 0.075 pF
Anode to cathode and heater	$C_{a/kf}$	max. 0.08 pF
Anode to grid and pin No.6	$C_{a/gp6}$	3.4 pF
Anode to grid, heater and pin No.6	$C_{a/gfp6}$	3.4 pF
Cathode to heater	C_{kf}	max. 8 pF

LIFE

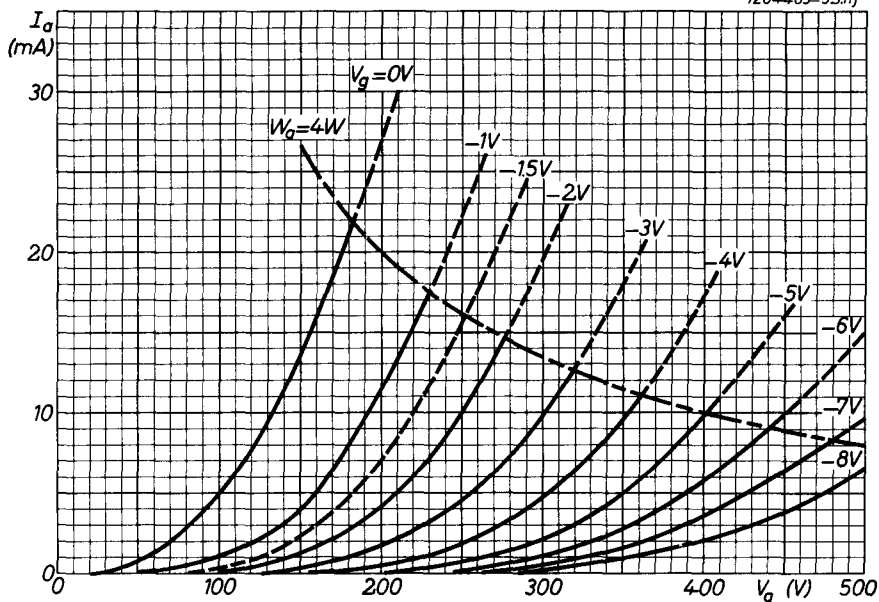
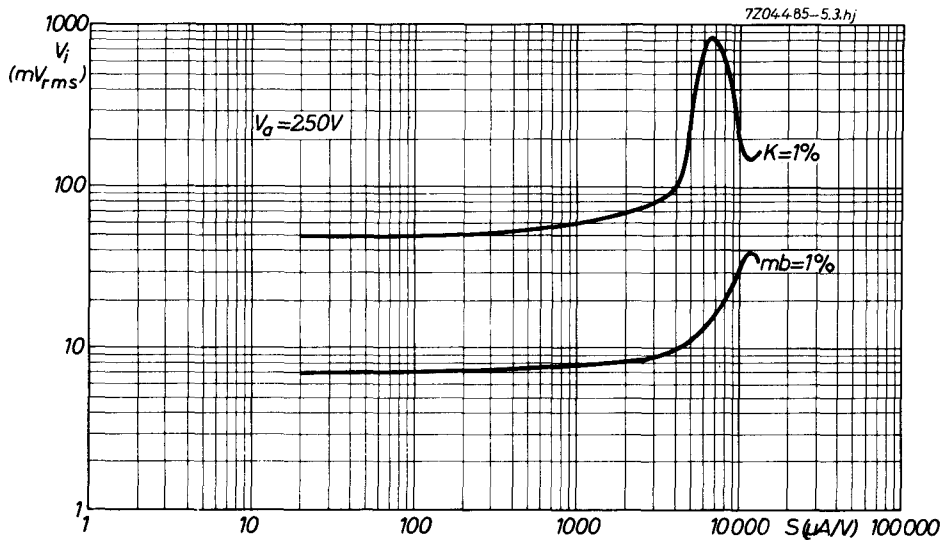
Production samples are tested during 500 hours.

LIMITING VALUES (Design centre rating system)

Anode voltage	V_{aO}	max. 550 V
	V_a	max. 300 V
Anode dissipation	W_a	max. 4 W
Cathode current	I_k	max. 15 mA
Voltage between cathode and heater	V_{kf}	max. 100 V
Grid resistor	R_g	max. 0.3 M Ω



72044.83-5.3.hj



PHILIPS

Data handbook



**Electronic
components
and materials**

EC80

page	sheet	date
1	1	1968.12
2	2	1968.12
3	3	1968.12
4	4	1968.12
5	FP	2001.04.13