

### H.F. TRIODE

Triode intended for use as H.F. amplifier, oscillator, mixer and in frame deflection circuits and line deflection circuits of TV receivers.

QUICK REFERENCE DATA			
Anode current	$I_a$	12	mA
Transconductance	$S$	7.2	mA/V
Amplification factor	$\mu$	67	-

**HEATING:** Indirect by A.C. or D.C.; series supply

Heater current

$I_f$  300 mA

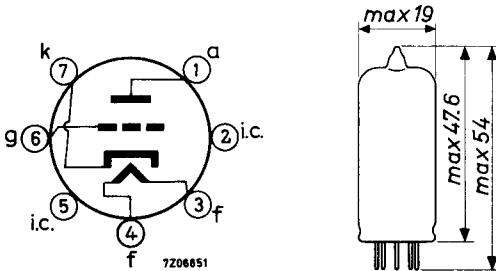
Heater voltage

$V_f$  3.1 V

#### DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: 7 pin miniature





**CAPACITANCES**Grounded cathode circuitwithout external shield

Input	$C_i$	2.8 pF
Output	$C_o$	0.55 pF
Anode to grid	$C_{ag}$	1.8 pF

With external shield 19.5 mm diameter

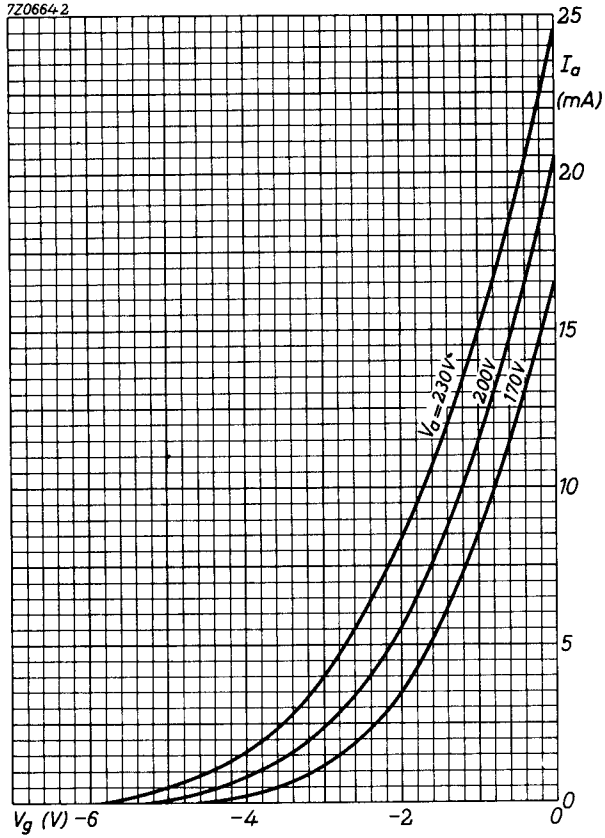
Anode to cathode, heater and shield	$C_{a/kfs}$	1.4 pF
Cathode to grid, heater and shield	$C_{k/gfs}$	4.7 pF
Anode to grid, heater and shield	$C_{a/gfs}$	2.9 pF

Grounded grid circuitwithout external shield

Input	$C_i$	4.6 pF
Output	$C_o$	2.0 pF
Anode to cathode	$C_{ak}$	0.24 pF
Cathode to heater	$C_{kf}$	2.0 pF
Grid to heater	$C_{gf}$	max. 0.15 pF

**TYPICAL CHARACTERISTICS**

Anode voltage	$V_a$	100	170	200	230	V
Grid voltage	$V_g$	-0.9	-1.0	-0.9	-1.6	V
Anode current	$I_a$	3.0	8.5	12.0	10.5	mA
Transconductance	S	3.8	6.0	7.2	6.0	mA/V
Amplification factor	$\mu$	58	65	67	62	-
Equivalent noise resistance	$R_{eq}$		0.5	0.4	0.5	k $\Omega$



# PHILIPS

Data handbook



Electronic  
components  
and materials

PC92

<b>page</b>	<b>sheet</b>	<b>date</b>
1	1	1969.01
2	2	1969.01
3	3	1969.01
4	4	1969.01
5	FP	1999.07.30