

### R.F. TRIODE

Triode intended for use as oscillator, mixer or amplifier in F.M. - and television receivers.

#### QUICK REFERENCE DATA

Anode current	$I_a$	10 mA
Transconductance	S	5.5 mA/V
Amplification factor	$\mu$	60

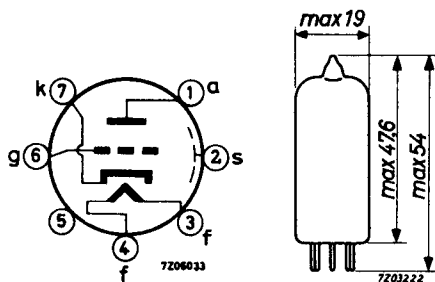
**HEATING:** Indirect by A.C. or D.C.; series or parallel supply

Heater voltage	$V_f$	6.3 V
Heater current	$I_f$	150 mA

#### DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Miniature



#### CAPACITANCES

Grid to all except anode	$C_g(a)$	2.6 pF
Anode to all except grid	$C_a(g)$	0.55 pF
Anode to grid	$C_{ag}$	1.6 pF
Anode to cathode	$C_{ak}$	0.24 pF
Cathode to heater	$C_{kf}$	2.2 pF
Grid to heater	$C_{gf}$	max. 0.15 pF
Anode to grid + heater	$C_{a/gf}$	1.8 pF
Cathode to grid + heater	$C_{k/gf}$	4.5 pF

**TYPICAL CHARACTERISTICS AND OPERATING CONDITIONS**

Anode voltage	$V_a$	100	170	200	250	V
Grid voltage	$V_g$	-1.0	-1.0	-1.0	-2.0	V
Anode current	$I_a$	3.0	8.5	11.5	10	mA
Transconductance	S	3.75	5.9	6.7	5.5	mA/V
Amplification factor	$\mu$	62	66	70	60	
Internal resistance	$R_i$	16.5	11	10.5	11	k $\Omega$

**LIMITING VALUES** (Design centre rating system)

Anode voltage	$V_{a0}$	max.	550	V
	$V_a$	max.	300	V
Anode dissipation	$W_a$	max.	2.5	W
Cathode current	$I_k$	max.	15	mA
Grid voltage	$-V_g$	max.	50	V
Grid resistor (automatic bias)	$R_g$	max.	1	M $\Omega$
Cathode to heater voltage	$V_{kf}$	max.	100	V

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 For curves please refer to type ECC81  
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# PHILIPS

Data handbook



Electronic  
components  
and materials

**EC92**

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