

R.F. DOUBLE TRIODE

Double triode intended for use as oscillator, mixer or amplifier in television receivers.

QUICK REFERENCE DATA (each unit)

Anode current	I_a	10	mA
Transconductance	S	5.5	mA/V
Amplification factor	μ	60	-

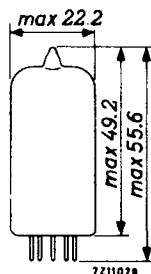
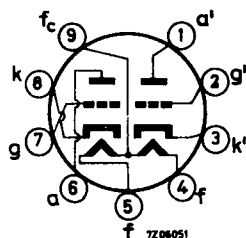
HEATING: Indirect by A.C. or D.C.; series or parallel supply

Heater voltage	V_f	6.3	12.6	V
Heater current	I_f	300 ¹⁾	150 ¹⁾	mA
		pins 9-(4+5)	pins 4-5	

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Noval



¹⁾ In case of series supply a current limiting device must be inserted in the heater circuit for limiting the current when switching on.

CAPACITANCES

Grid to all except anode	$C_{g(a)}$	2.3	pF
	$C_{g'(a')}$	2.3	pF
Anode to all except grid	$C_{a(g)}$	0.45	pF
	$C_{a'(g')}$	0.35	pF
Anode to grid	C_{ag}	1.6	pF
	$C_{a'g'}$	1.6	pF
Anode to cathode	C_{ak}	0.20	pF
	$C_{a'k'}$	0.20	pF
Cathode to heater	C_{kf}	2.5	pF
	$C_{k'f}$	2.5	pF
Cathode to grid + heater	$C_{k/g+f}$	4.7	pF
	$C_{k'/g'+f}$	4.7	pF
Anode to grid + heater	$C_{a/g+f}$	1.9	pF
	$C_{a'/g'+f}$	1.8	pF
Grid to heater	C_{gf}	max.	0.17 pF
	$C_{g'f}$	max.	0.17 pF
Anode to anode	$C_{aa'}$	max.	0.4 pF
Grid to grid	$C_{gg'}$	max.	0.005 pF
Anode to grid other unit	$C_{ag'}$	max.	0.07 pF
Grid to anode other unit	$C_{ga'}$	max.	0.04 pF

TYPICAL CHARACTERISTICS AND OPERATING CONDITIONS (each unit)

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	μ	62	66	70	60	
Internal resistance	R_i	16.5	11	10.5	11	k Ω

LIMITING VALUES (Design centre rating system) (each unit)

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 Ω
Cathode to heater voltage	V_{kf}	max.	90	V

