R.F. DOUBLE TRIODE

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

QUICK REFERENCE DATA (each unit)					
Anode current	Ia	10	m A		
Transconductance	S	5.5	mA/V		
Amplification factor	μ	60	-		

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

Heater voltage

 $\frac{V_f}{I_f}$ 6.3 12.6 V I_f 300¹) 150¹) mA

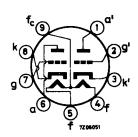
Heater current

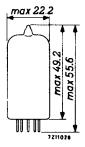
pins 9-(4+5) pins 4-5

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Noval



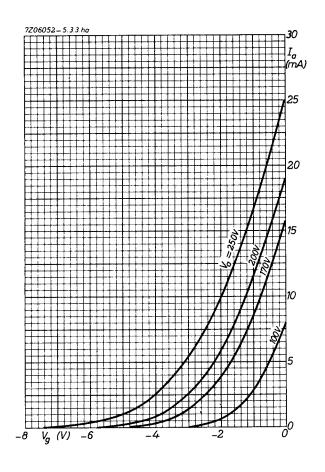


¹⁾ In case of series supply a current limiting device must be inserted in the heater circuit for limiting the current when switching on.

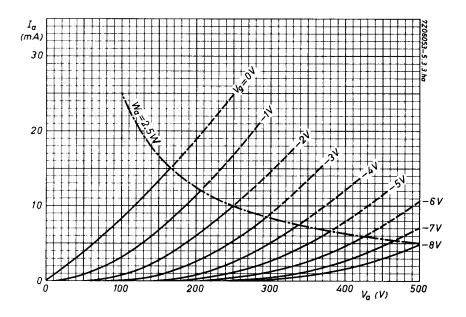
								
CAPACITANCES								
Grid to all except anode		Cg(2.3	pF		
		_	(a')		2.3	pF		
Anode to all except grid		C _a (0.45	pF		
			(g')		0.35	pF		
Anode to grid		C _{ag}			1.6 1.6	pF pF		
Anada ta aathada		C _a • C _{al}	_		0.20	рF		
Anode to cathode		Cai Ca'			0.20	рF		
Cathode to heater		$C_{\mathbf{k}\mathbf{f}}$;		2.5	pF		
		C _k '			2.5	pF		
Cathode to grid + heater		$C_{\mathbf{k}}$	/g+f		4.7	pF		
		C _k '	/g ' +f		4.7	pF		
Anode to grid + heater $C_{a/g+f}$				1.9	pF			
			'/g'+f		1.8	pF		
Grid to heater		Cgi		max.	$0.17 \\ 0.17$	pF		
		Cg'		max.		pF		
Anode to anode		Caa		max.	0.4	pF		
Grid to grid		$C_{\mathbf{g}_{\mathbf{g}}}$	-	max.	0.005	pF		
Anode to grid other unit		Cag'		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	Ιa	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	kΩ		
LIMITING VALUES (Design centre rating system) (each unit)								
Anode voltage			v_{a_0}	max.	550	V		
			v_a	max.	300	V		
Anode dissipation			w_a	max.	2.5	W		
Cathode current	$I_{\mathbf{k}}$		max.	15	mA			
Grid voltage		-	·Vg	max.	50	V		
Grid resistor (automatic bias)			Rg	max.	1	ΜΩ		
Cathode to heater voltage			v_{kf}	max.	90	V		

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