



12BH7

Page 1 of 4

12BH7 is A.F. Double Triode



Quick reference data

- Anode current $I_a = 11,5\text{mA}$
- Transconductance $S = 3,1\text{mA/V}$
- Amplification $\mu = 16,5$

Heating

Heating is indirect by AC or DC, with serial or parallel supply.

Heater voltage	V_f	6,3	12,6	(V)
Heater current	I_f	0,6	0,3	(A)

Telephone:	+381 18 550 741
FAX:	+381 18 550 806
Postal address:	Bul. Sv. Cara Konstantina 80-86, 18000 Nis, Yugoslavia
Electronic mail:	eirc@eierc.com
Web site:	http://www.eierc.com/rc

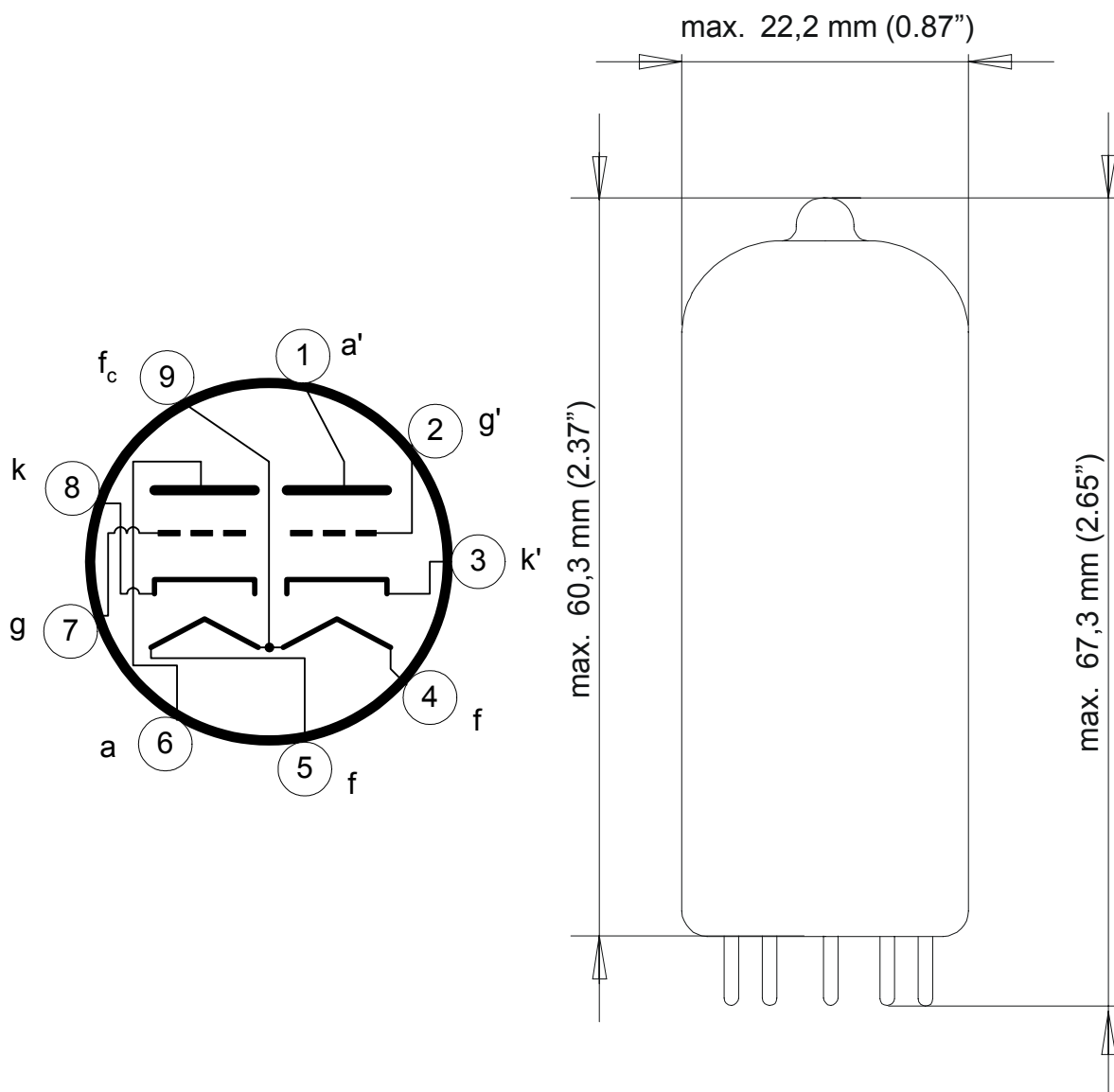


12BH7

Page 2 of 4

Dimensions and connections

Base: Noval



Telephone:	+381 18 550 741
FAX:	+381 18 550 806
Postal address:	Bul. Sv. Cara Konstantina 80-86, 18000 Nis, Yugoslavia
Electronic mail:	eirc@eierc.com
Web site:	http://www.eierc.com/rc



12BH7

Typical characteristics and operating conditions

			Class A1 amplifier	Vertical deflection amplifier	
Anode voltage	V_a		250	350	(V)
Grid voltage	V_g		-10,5		(V)
Anode current	I_a		11,5	16	(mA)
Transconductance	S		3,1	3,1	(mA/V)
Amplification	μ		16,5	16,5	
Anode resistance (approx.)	R_a		5,3		(k Ω)
Cathode bias resistor	R_k			560	(k Ω)
Grid input voltage	Peak to peak sawtooth component	V_{pp}		25	(V)
	Negative peak component	V_p		32	
Anode output voltage	Peak positive pulse component	V_p		670	(V)
	Peak to peak sawtooth component	V_{pp}		230	

Maximum ratings

			Class A1 amplifier	Vertical deflection amplifier	
Anode voltage	V_a		300	450	(V)
Peak positive plate voltage				1500	(V)
Anode dissipation (each section)	W_a		3,5	3,5	(W)
Peak negative pulse grid voltage				250	(V)

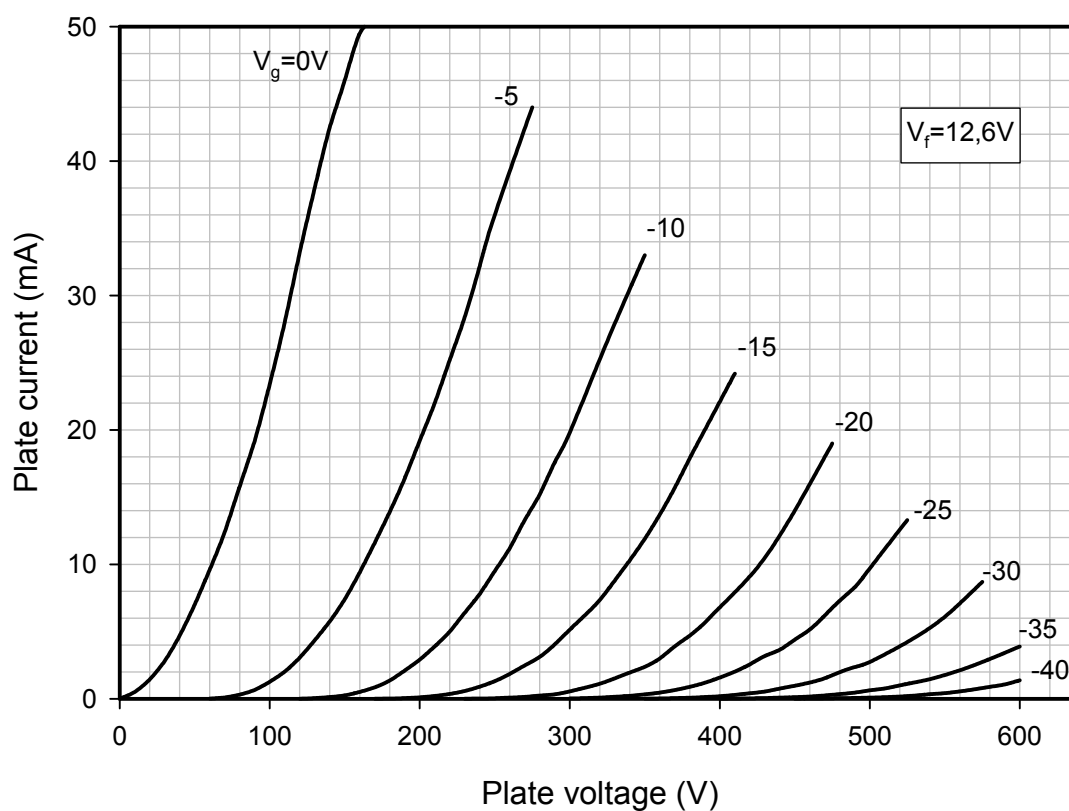
Telephone: +381 18 550 741
 FAX: +381 18 550 806
 Postal address: Bul. Sv. Cara Konstantina 80-86, 18000 Nis, Yugoslavia
 Electronic mail: eirc@eierc.com
 Web site: <http://www.eierc.com/rc>



12BH7

Average cathode current (each section)			20	20	(mA)
Peak cathode current				70	(mA)
Grid circuit resistance	fixed bias		0,25		(MΩ)
	cathode bias		1	2,2	

Average plate characteristics 12BH7 (each section)



Telephone: +381 18 550 741
FAX: +381 18 550 806
Postal address: Bul. Sv. Cara Konstantina 80-86, 18000 Nis, Yugoslavia
Electronic mail: eirc@eierc.com
Web site: <http://www.eierc.com/rc>