



12AX7 / ECC83S

Base Type: Noval

U_f 6.3 or 12.6 V

I_f 300 or 150 mA

Typical Characteristics

U_a 250 V

I_a 1.2 mA

U_g -2 V

S 1.6 mA/V

μ 100

R_i 62.5 k Ω

Limiting Values

U_a 300 V

W_a 1 W

I_k 8 mA

U_g -50 V

$U_{k/f}$ 180 V

R_g 2.2 M Ω

$R_{k/f}$ 150 k Ω

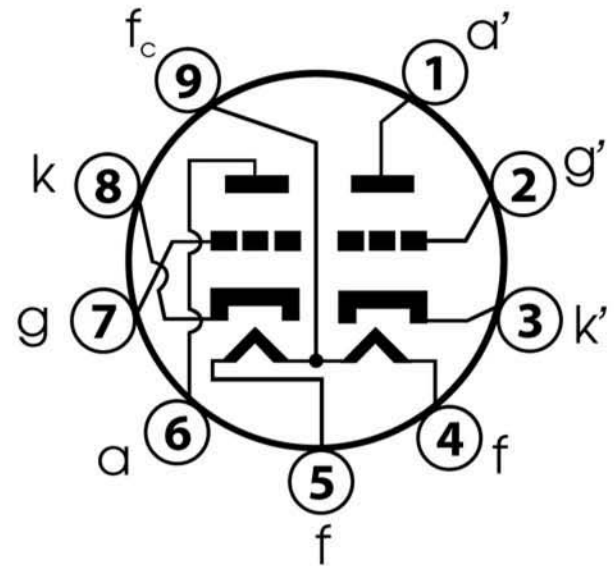
Capacitances

	system I.	system II.
$C_{g/k}$	1.6	1.6 pF
C_a	0.33	0.33 pF
$C_{g/a}$	1.7	1.7 pF

Operating Characteristics

Resistance-coupled amplifier, cathode grid bias

U_b	250 V	400 V	250 V	400 V	250 V	400 V
R_a	47 k Ω	47 k Ω	100 k Ω	100 k Ω	220 k Ω	220 k Ω
R_g	1.18 k Ω	2.45 k Ω	0.86 k Ω	1.72 k Ω	0.48 k Ω	1.02 k Ω
R_k	1.2 k Ω	0.68 k Ω	1.5 k Ω	0.82 k Ω	2.7 k Ω	1.2 k Ω
I_a	1.18 mA	2.45 mA	0.86 mA	1.72 mA	0.48 mA	1.02 mA



TRANSFER CHARACTERISTICS

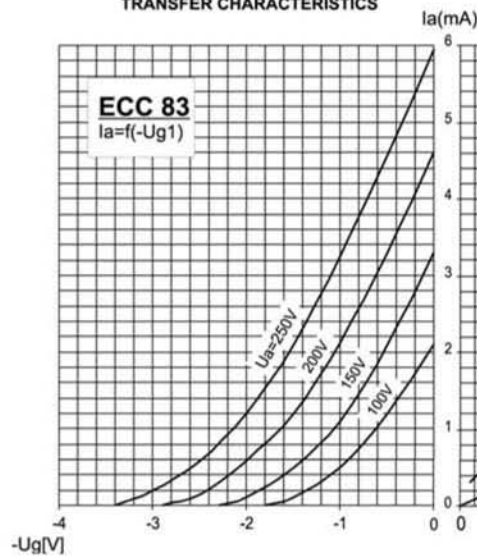


PLATE CHARACTERISTICS

