



# 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

$\mu$  100

$R_i$  62.5 k $\Omega$

## Limiting Values

$U_a$  300 V

$W_a$  1 W

$I_k$  8 mA

$U_g$  -50 V

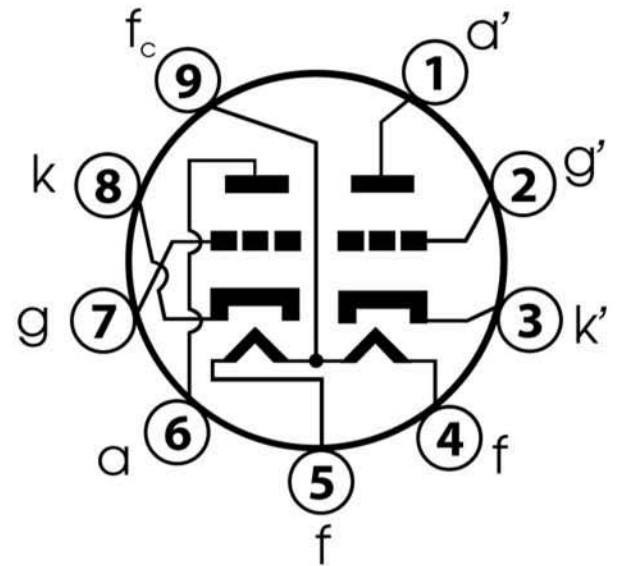
$U_{k/f}$  180 V

$R_g$  2.2 M $\Omega$

$R_{k/f}$  150 k $\Omega$

## 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



TRANSFER CHARACTERISTICS

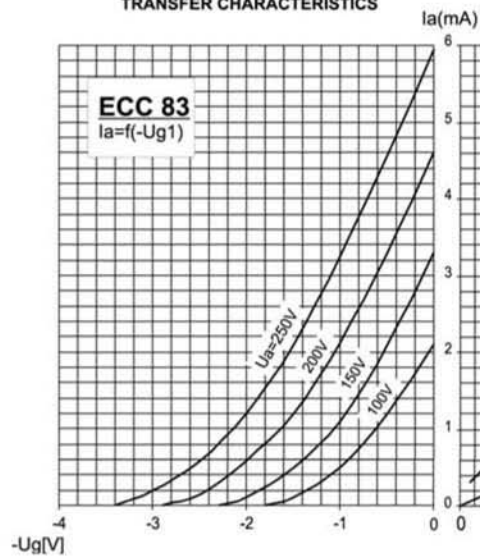
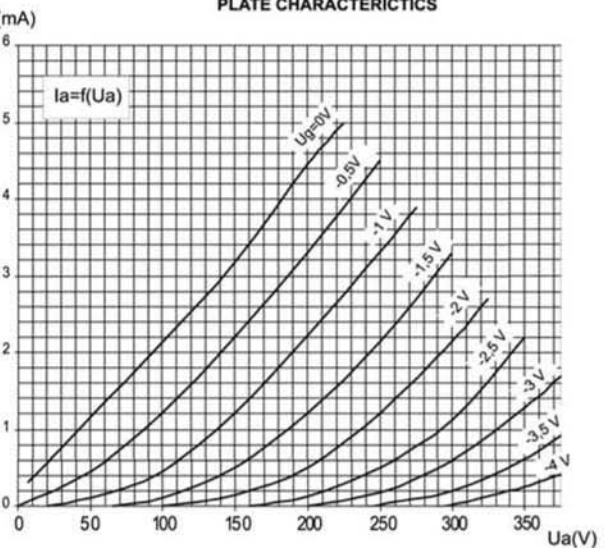


PLATE CHARACTERISTICS



## Operating Characteristics

Resistance-coupled amplifier, cathode grid bias

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