

**SUBMINIATURE
HIGH SLOPE PENTODE**

EF73

High slope pentode primarily intended for industrial applications.

HEATER

V_h	6.3	V
I_h	200	mA

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 5mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.

COOLING

In operation this valve may become very hot and, therefore, in the interests of satisfactory life, it should be adequately cooled. A suitable method is to mount the valve in a metal clip which conducts the heat away to the chassis and should result in a bulb temperature of 100°C.

CAPACITANCES

	Shielded	Unshielded
C_{a-g1}	<0.15	<0.2 pF
C_{in}	4.5	5.0 pF
C_{out}	5.0	3.0 pF

CHARACTERISTICS

V_a	100	V
V_{g3}	0	V
V_{g2}	100	V
I_a	7.5	mA
I_{g2}	2.5	mA
V_{g1}	-2.0	V
g_m	5.5	mA/V ←
r_a	250	kΩ
μ_{g1-g2}	28	
$V_{g3} \text{ max. (for } I_a = 100 \mu\text{A)}$	-60	V



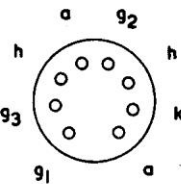
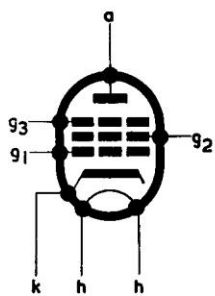
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LIMITING VALUES

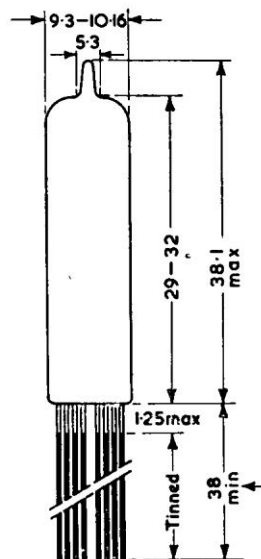
$V_{a,(b)}$ max.	300	V
V_a max.	175	V
$V_{g2,(b)}$ max.	300	V
V_{g2} max.	175	V
I_k max.	14	mA
p_a max.	1.5	W
p_{g2} max.	1.0	W
p_{a+g2} max.	2.0	W
V_{g1} max. ($I_{g1} = +0.3\mu A$)	-1.3	V
R_{g1-k} max.	500	$k\Omega$
R_{h-k} max.	20	$k\Omega$
V_{h-k} max.	100	V



B8D/F Base

3272

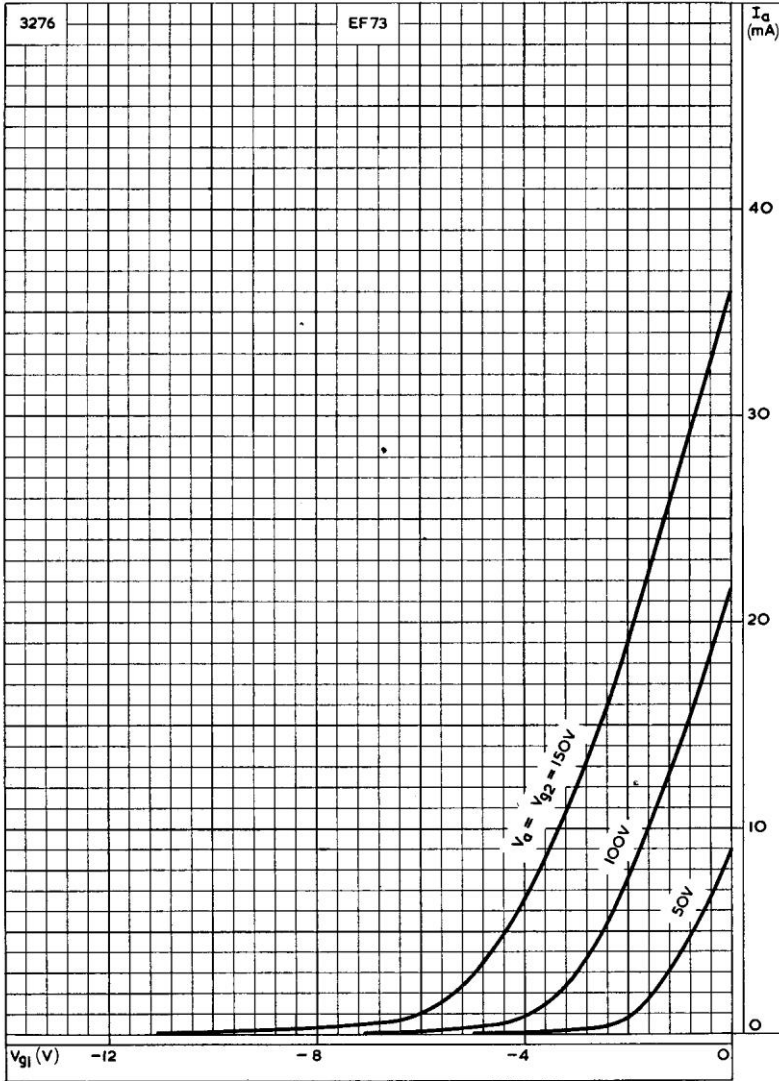
All dimensions in mm



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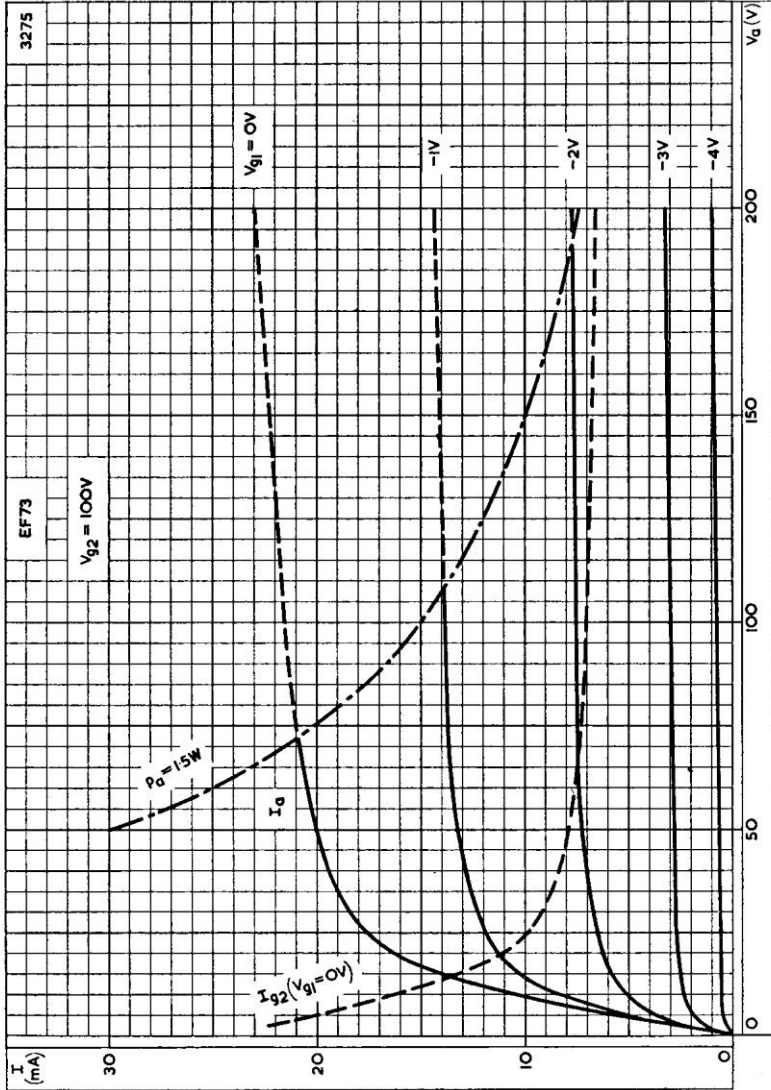
ANODE CURRENT PLOTTED AGAINST CONTROL-GRID VOLTAGE WITH ANODE AND SCREEN-GRID VOLTAGE AS PARAMETER



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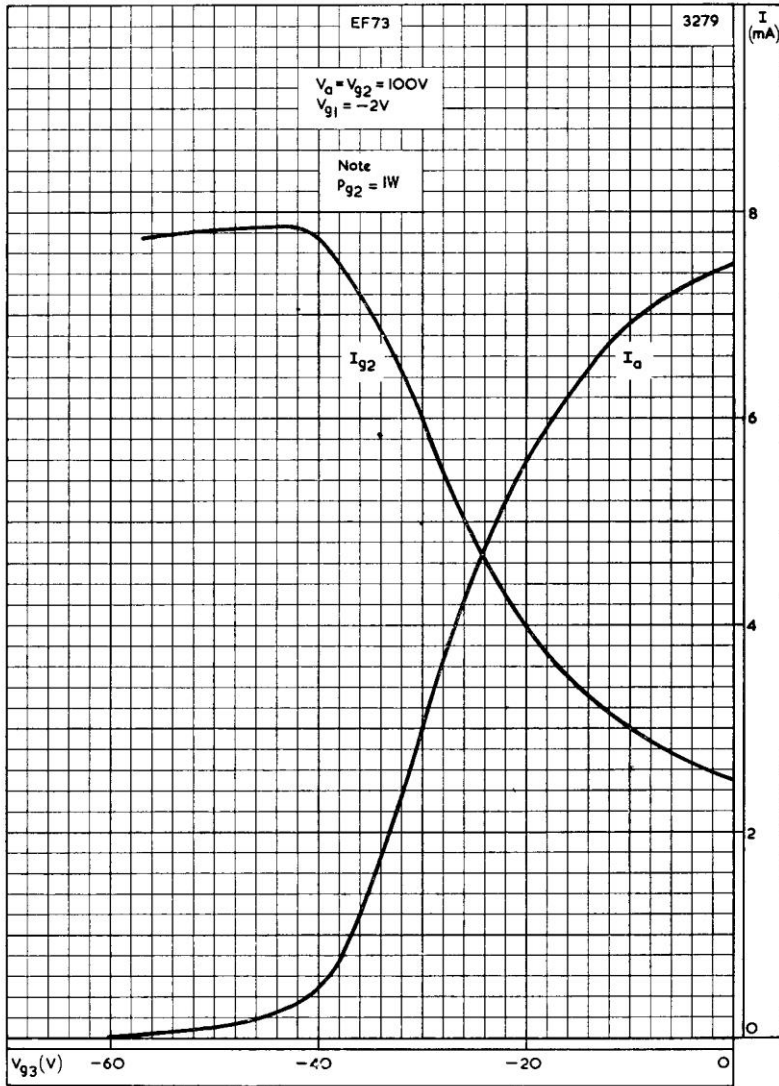


ANODE AND SCREEN-GRID CURRENTS PLOTTED AGAINST ANODE
VOLTAGE WITH CONTROL-GRID VOLTAGE AS PARAMETER

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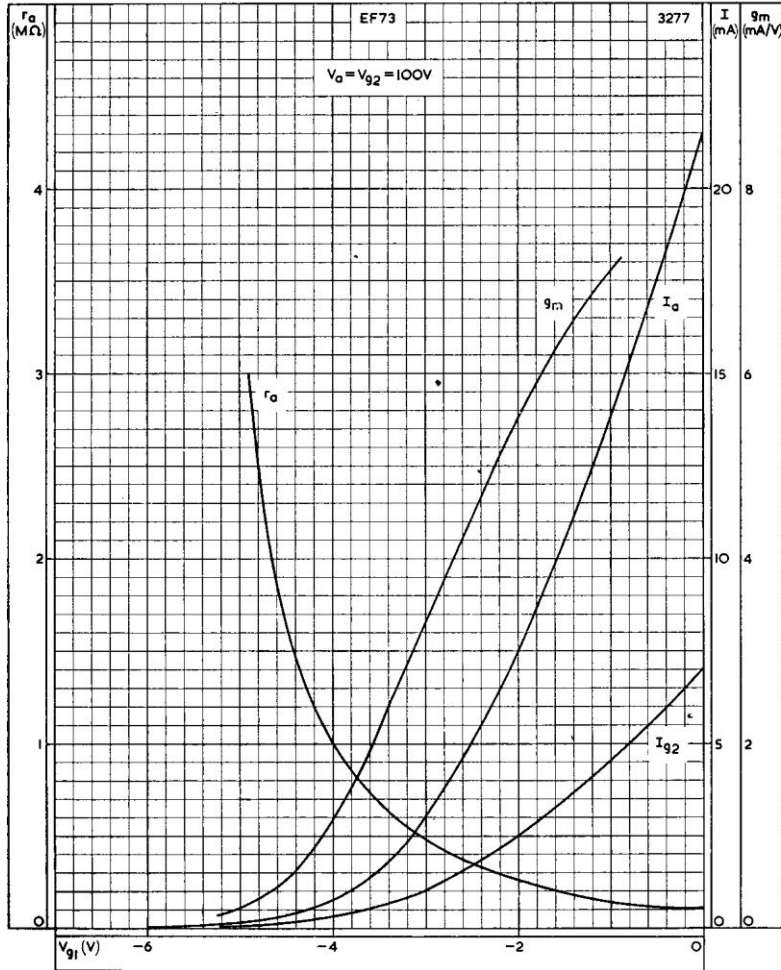
ANODE AND SCREEN-GRID CURRENTS PLOTTED AGAINST SUPPRESSOR-GRID VOLTAGE



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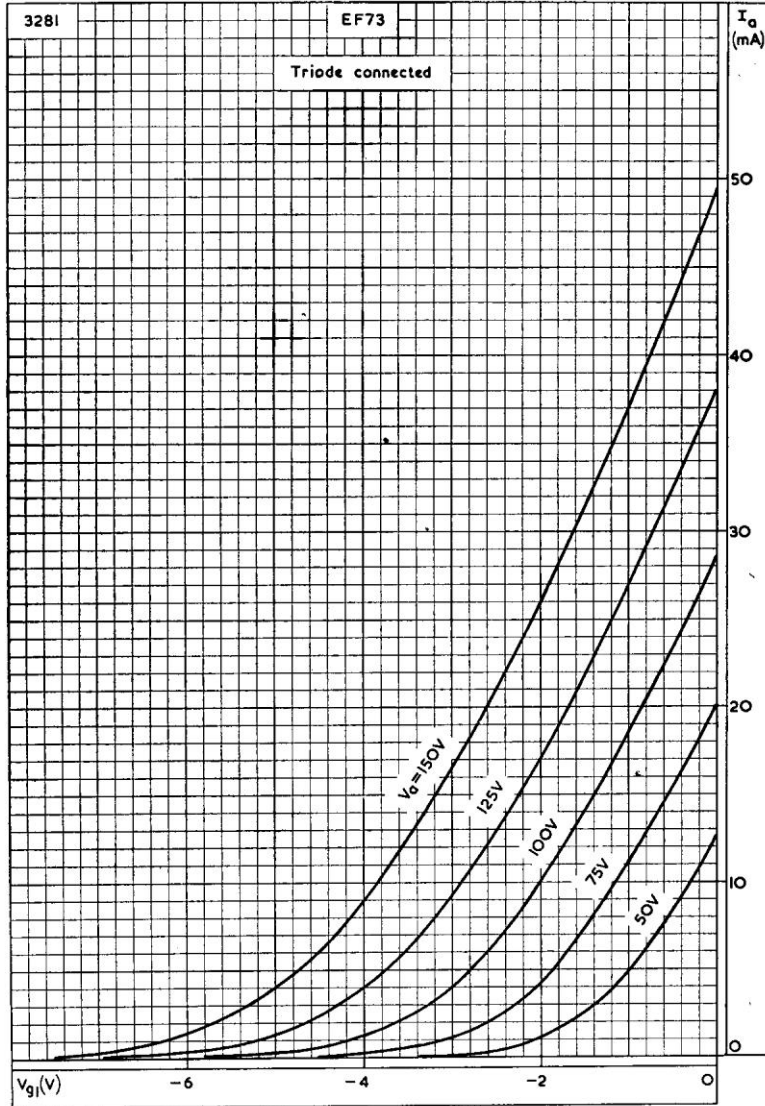


ANODE AND SCREEN-GRID CURRENTS, MUTUAL CONDUCTANCE AND ANODE IMPEDANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE

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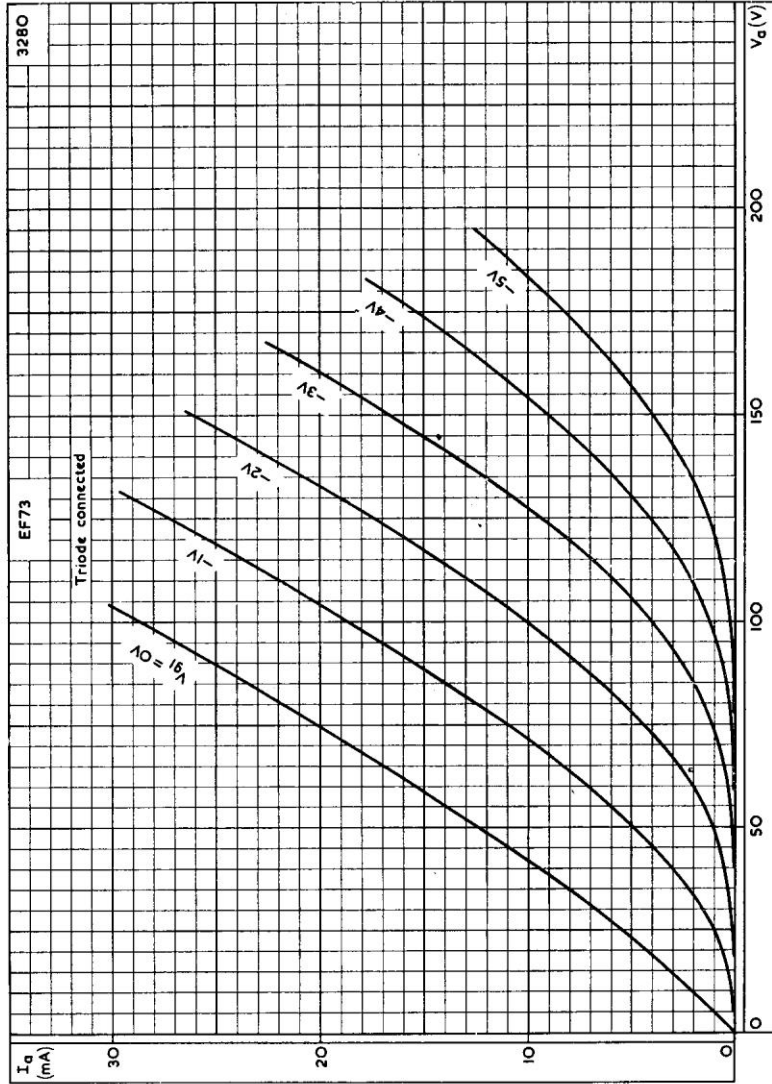
ANODE CURRENT PLOTTED AGAINST CONTROL-GRID VOLTAGE WITH ANODE VOLTAGE AS PARAMETER, WHEN CONNECTED AS A TRIODE



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ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH CONTROL-GRID VOLTAGE AS PARAMETER, WHEN CONNECTED AS A TRIODE.