

## OUTPUT OR MODULATOR TRIODE

# MZI-100

Directly-heated power triode rated for a maximum anode dissipation of 100W, and primarily intended for use in the output stage of L.F. amplifiers or modulators.

### FILAMENT

Oxide-coated, for use on a.c. or d.c.

$V_f$	6.0	V
$I_f$ (approx.)	2.5	A

### CAPACITANCES

$C_{g-k}$	11.3	$\mu\mu\text{F}$
$C_{a-k}$	3.5	$\mu\mu\text{F}$
$C_{a-g}$	9.5	$\mu\mu\text{F}$

### CHARACTERISTICS At $V_a=1\text{kV}$ ; $I_a=100\text{mA}$ .

$g_m$	4.0	mA/V
$\mu$	5.6	
$r_a$	1.4	k $\Omega$

### LIMITING VALUES

$V_a$ max.	1.25	kV
$p_a$ max.	100	W
$I_k$ max.	250	mA
$I_g$ max.	30	mA

### OPERATING CONDITIONS AS CLASS "AB<sub>2</sub>" PUSH-PULL AMPLIFIER (FIXED BIAS)

$V_a$	1.25	kV
$I_{a(o)}$	2x55	mA
$I_a$ (max. sig.)	2x222	mA
$I_g$	2x27.5	mA
$R_{a-a}$	7.0	k $\Omega$
$V_{in}$ (r.m.s.)	2x243	V
$P_{out}$	380	W
$D_{tot}$	3.8	%

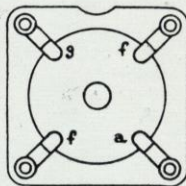
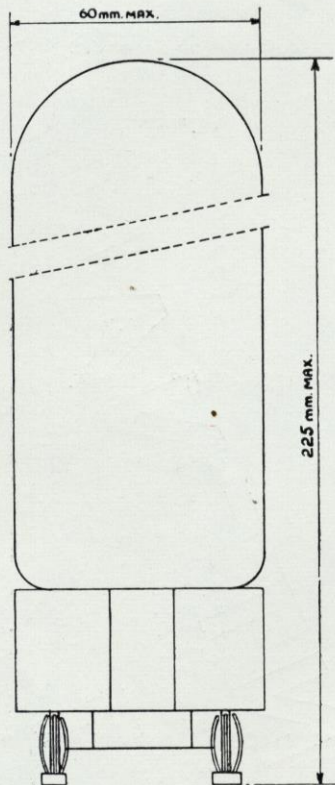
### WEIGHT

Valve only 9½ ozs. (266 grams).

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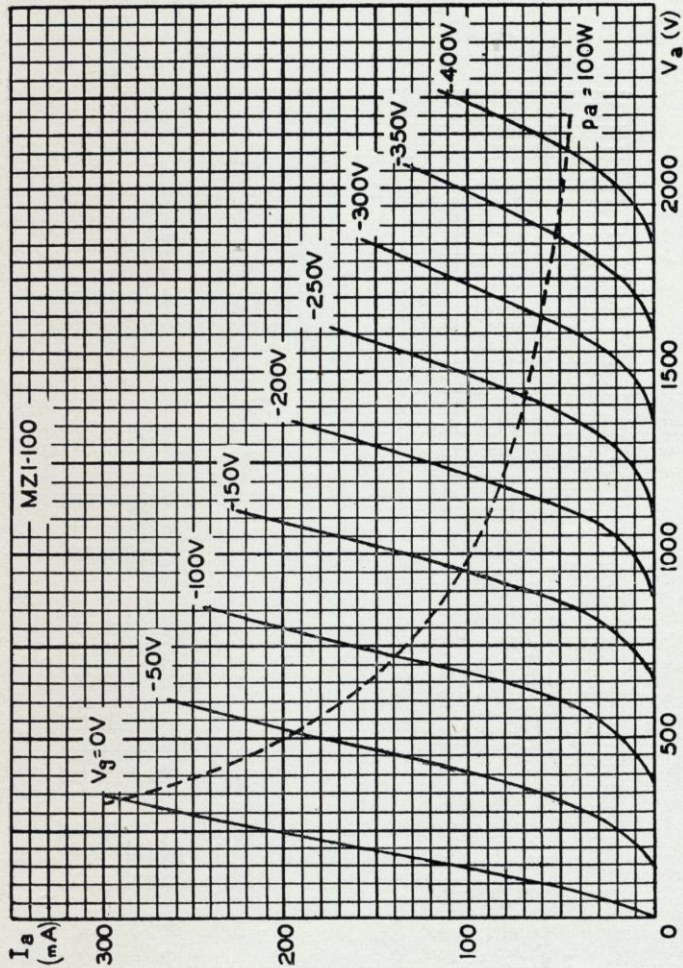


BASE TO FIT MVHI HOLDER

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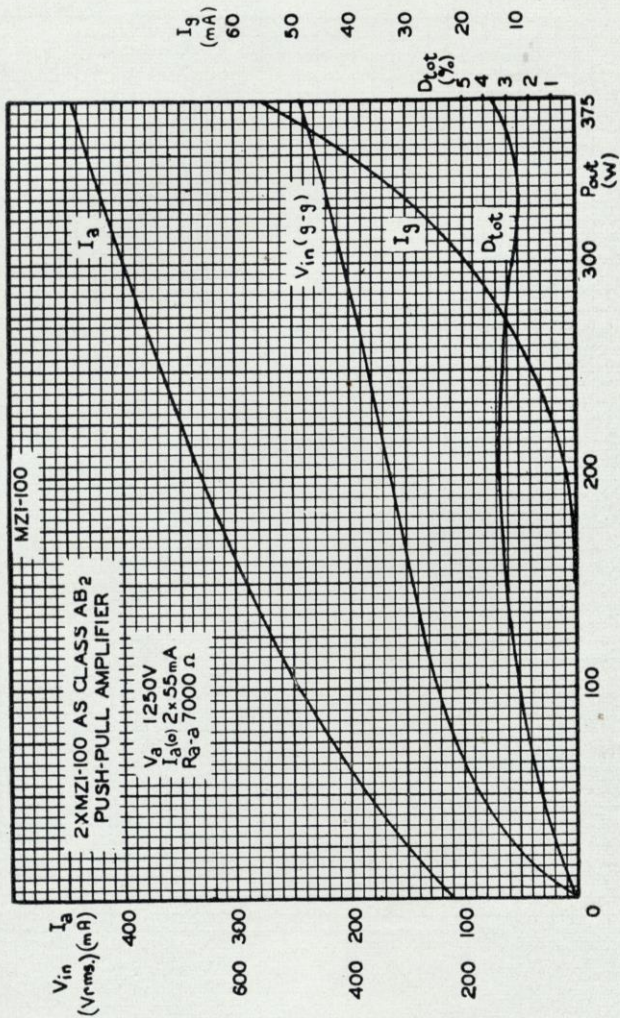
ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH GRID VOLTAGE AS PARAMETER



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ANODE CURRENT, INPUT VOLTAGE, GRID CURRENT AND TOTAL DISTORTION PLOTTED AGAINST POWER OUTPUT