

FULL-WAVE RECTIFIER

GZ30

Indirectly-heated full-wave rectifier
with 5-volt heater.

HEATER

V_h	5.0	V
I_h	2.0	A

LIMITING VALUES

P.I.V. max.	1.4	kV
$i_{a(pk)}$ max.	375	mA
I_{out} max.	125	mA
C max.	50	μ F
L min.	5	H

TYPICAL OPERATING CONDITIONS

Capacitor Input

$V_{a(r.m.s.)}$ (V)	I_{out} (mA)	C (μ F)	R_{lm} min. (per anode) (Ω)	V_{out} (V)
2 $\times$ 250	125	8	190	242
2 $\times$ 300	125	8	260	292
2 $\times$ 350	125	8	300	344
2 $\times$ 250	125	50	240	236
2 $\times$ 300	125	50	310	282
2 $\times$ 350	125	50	380	327

Choke Input

$V_{a(r.m.s.)}$ (V)	I_{out} (mA)	L (H)	V_{out} (V)
2 $\times$ 250	125	10	205
2 $\times$ 300	125	10	249
2 $\times$ 350	125	10	295
2 $\times$ 400	125	10	340
2 $\times$ 450	125	10	384
2 $\times$ 500	125	10	429

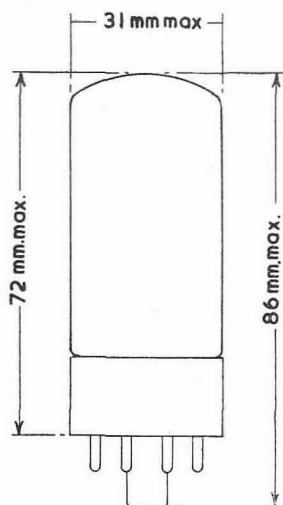
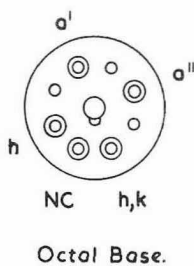


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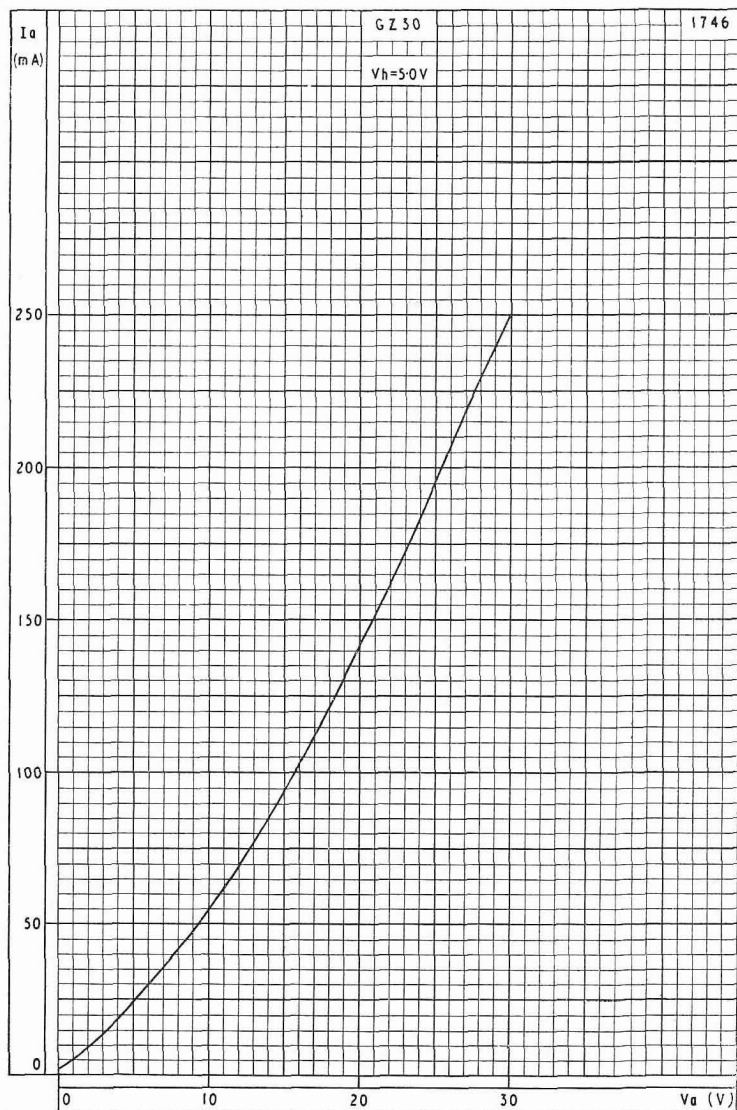
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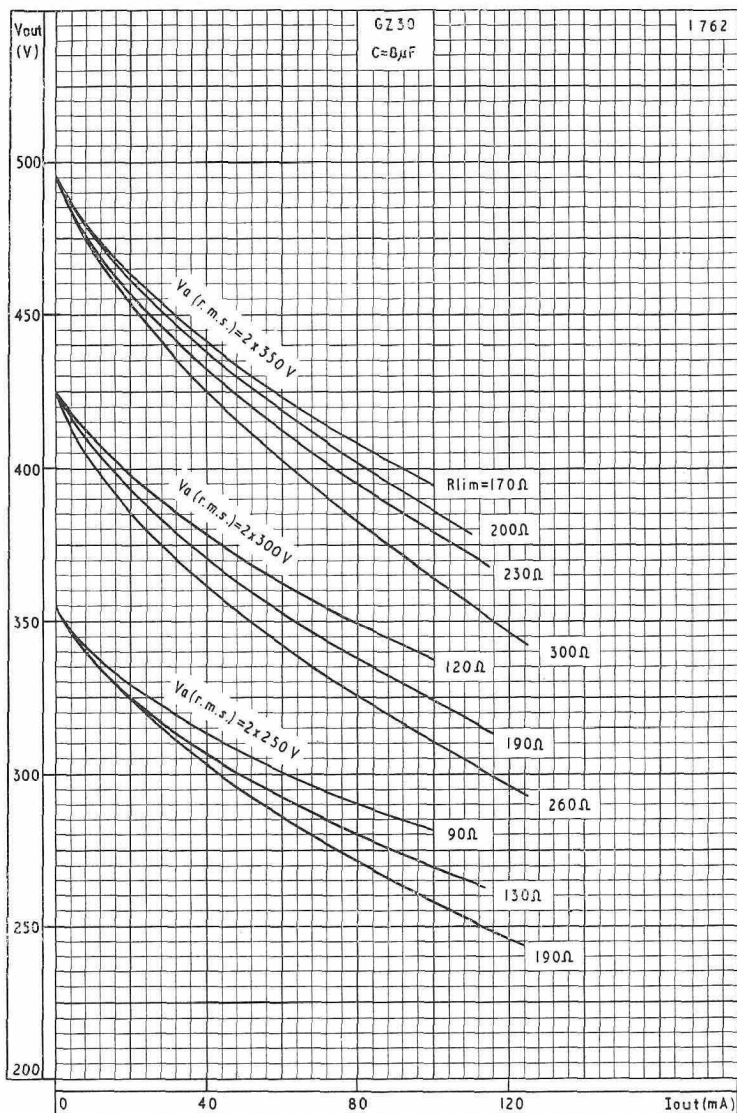
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ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE

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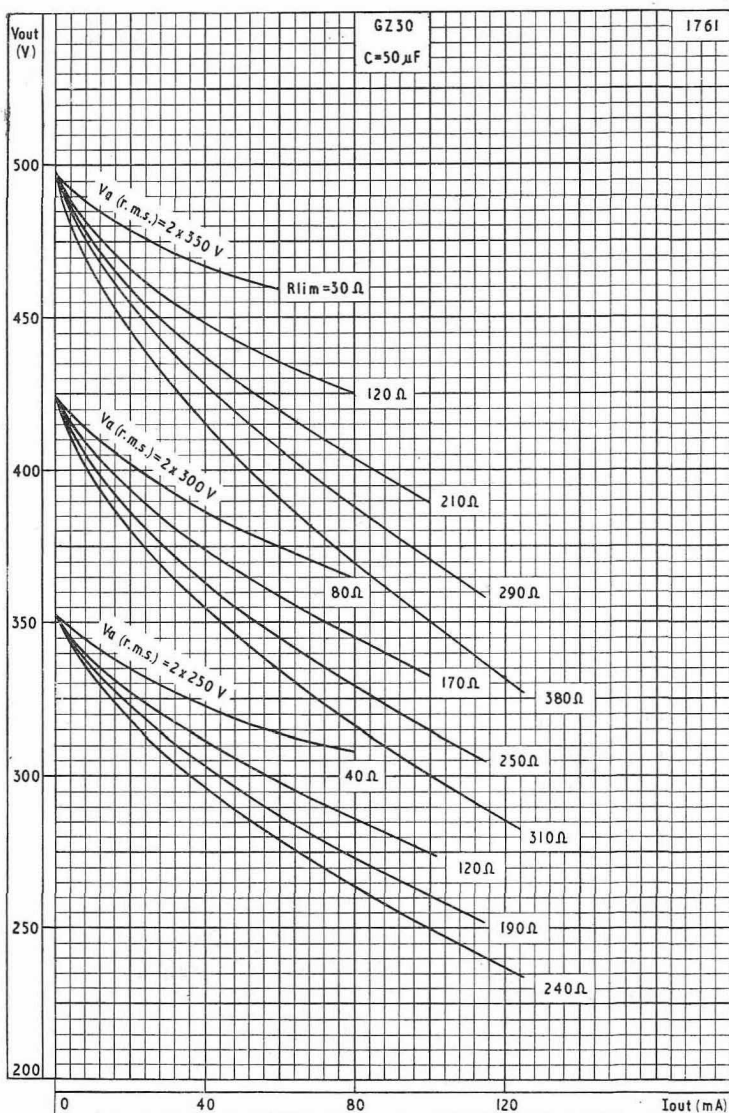


REGULATION CURVES FOR CAPACITOR INPUT $C=8\mu F$

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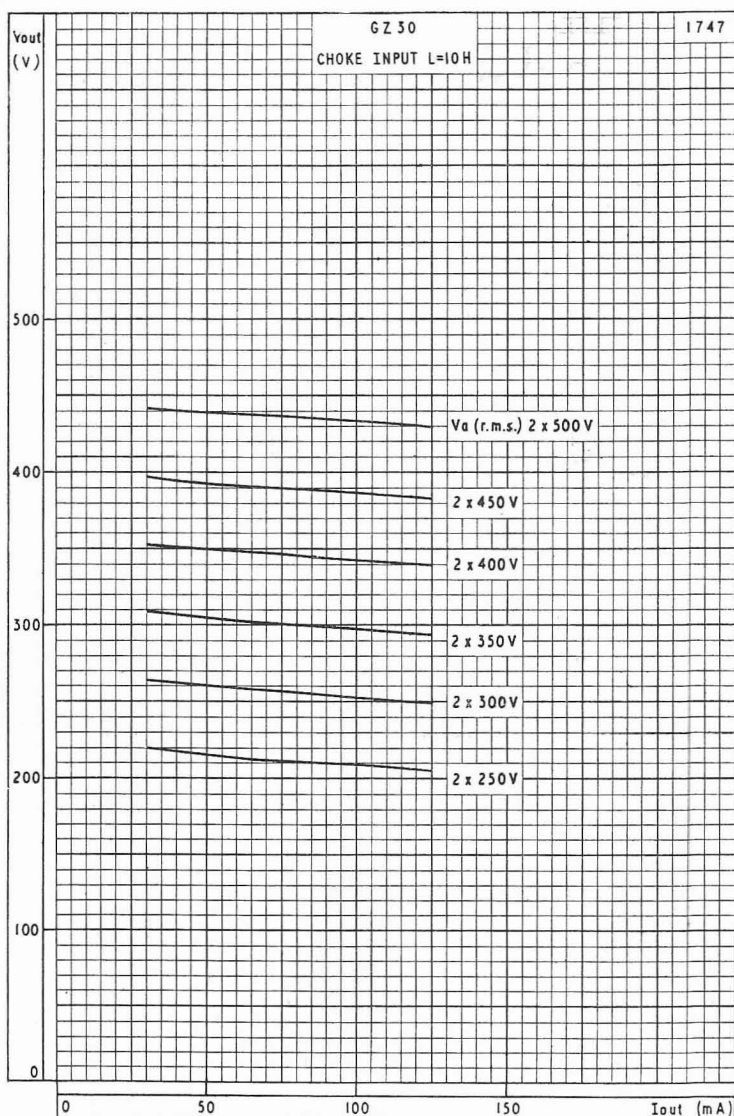


REGULATION CURVES FOR CAPACITOR INPUT $C=50\mu\text{F}$

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REGULATION CURVES FOR CHOKE INPUT