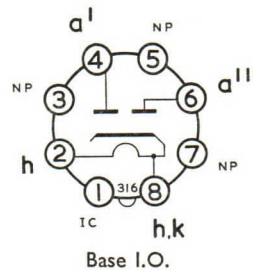


### FULL-WAVE RECTIFIER



#### GENERAL

This valve is an indirectly heated full-wave rectifier for use in medium power A.C. operated equipment.

Heater Voltage	$V_h$	5.0	V
Heater Current	$I_h$	1.9	A

#### RATINGS

Maximum Peak Inverse Voltage	P.I.V.-(max)			1.5	kV
Maximum Peak Anode Current	$i_{a(pk)max}$			750	mA
Maximum Reservoir Capacitor	$C_{(max)}$			60	$\mu F$
Anode Voltage	$V_{a(r.m.s.)}$	2x350	2x450	2x550	V

#### CAPACITOR INPUT

Maximum Output Current	$I_{out(max)}$	250	250	160	mA
Minimum Limiting Resistance (per anode)	$R_{lim(min)}$	75	125	175	$\Omega$

#### CHOKE INPUT

Maximum Output Current	$I_{out(max)}$	250	250	225	mA
Minimum Limiting Resistance (per anode)	$R_{lim(min)}$	0	0	0	$\Omega$

#### TYPICAL OPERATION AS A FULL-WAVE RECTIFIER

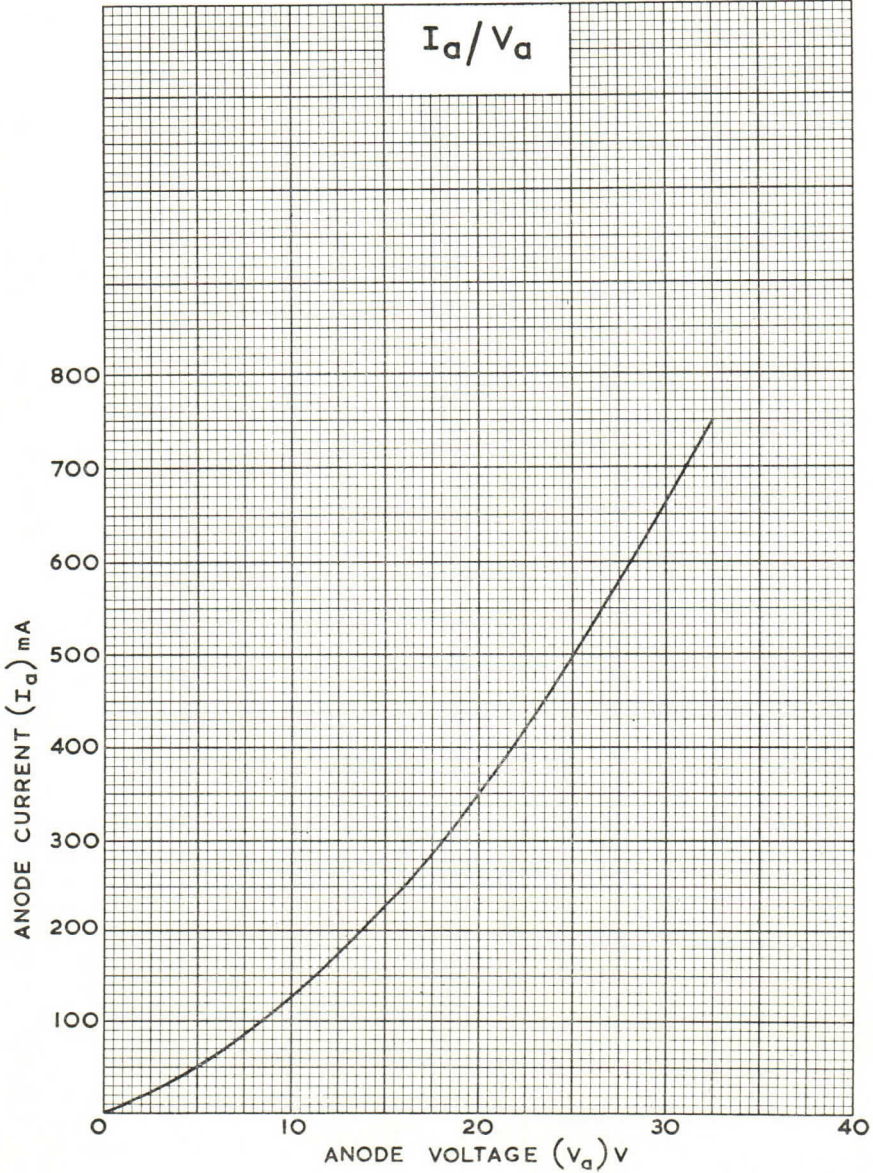
##### CAPACITOR INPUT ( $C=60\mu F$ )

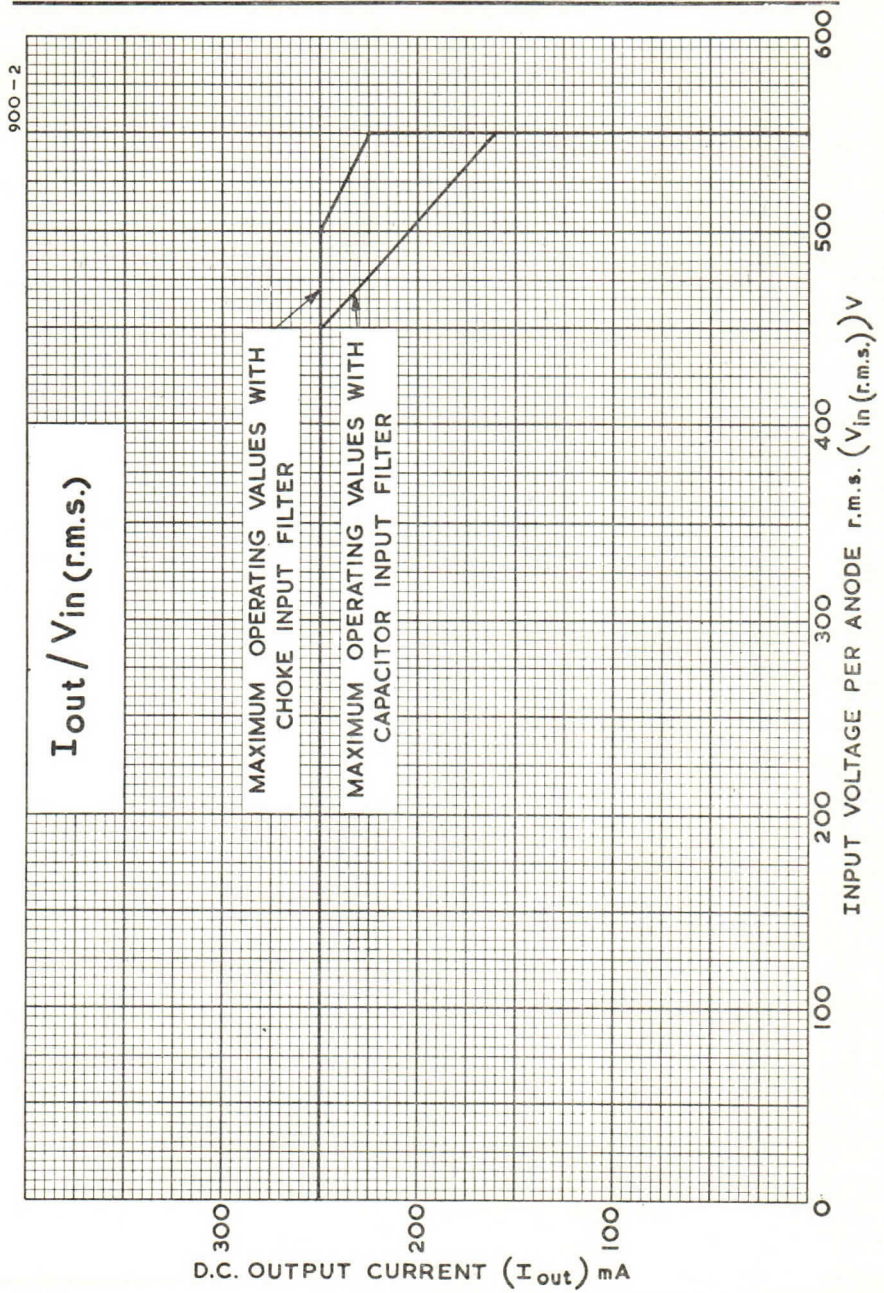
Anode Voltage	$V_{a(r.m.s.)}$	2x350	2x450	2x550	V
Limiting Resistance (per anode)	$R_{lim}$	100	150	200	$\Omega$
Output Current	$I_{out}$	250	250	160	mA
Output Voltage	$V_{out}$	380	480	640	V

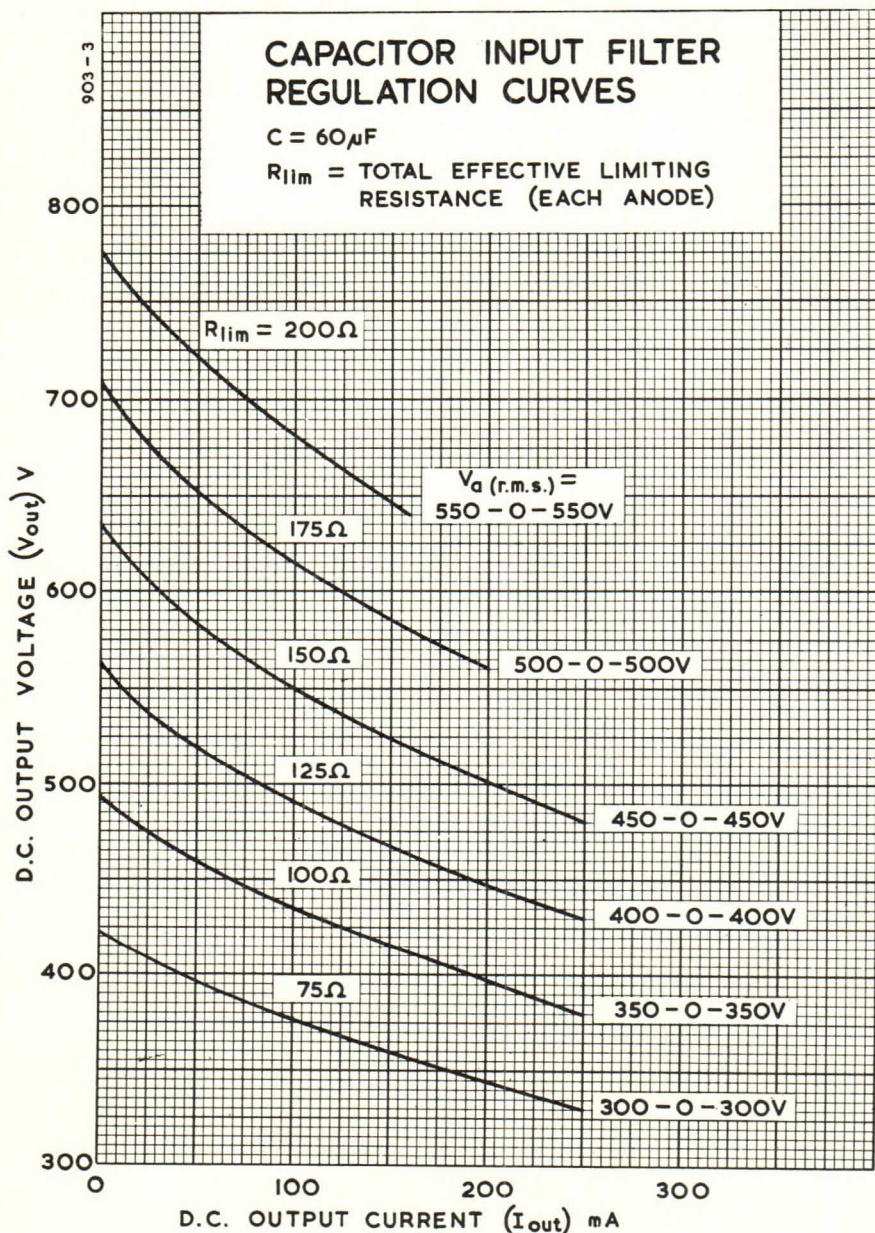
##### CHOKE INPUT ( $L=10H$ )

Anode Voltage	$V_{a(r.m.s.)}$	2x350	2x450	2x550	V
Limiting Resistance (per anode)	$R_{lim}$	0	0	0	$\Omega$
Output Current	$I_{out}$	250	250	225	mA
Output Voltage	$V_{out}$	290	375	465	V

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