



# CHELMER VALVE COMPANY

738-220

DATA SHEET

## GZ34

### FULL-WAVE RECTIFIER

Indirectly heated full-wave rectifier primarily intended for use in a.c. mains operated equipment.

#### HEATER

$V_h$	5.0	V
$I_h$	1.9	A

#### LIMITING VALUES

P.I.V. max.	1.5	kV
$i_{s(pk)}$ max.	750	mA
C max.	60	$\mu$ F
$V_{a(r.m.s.)}$	2 x 300 2 x 350 2 x 400 2 x 450 2 x 500 2 x 550	V

#### Capacitor input

$I_{out}$ max.	250	250	250	250	200	160	mA
$R_{lim}$ min. (per anode)	50	75	100	125	150	175	$\Omega$

#### Choke input

$I_{out}$ max.	250	250	250	250	250	225	mA
$R_{lim}$ min. (per anode)	0	0	0	0	0	0	$\Omega$

#### TYPICAL OPERATING CONDITIONS

##### Capacitor input

$V_{a(r.m.s.)}$ (V)	$I_{out}$ (mA)	C ( $\mu$ F)	$R_{lim}$ (per anode) ( $\Omega$ )	$V_{out}$ (V)
2 x 300	250	60	75	330
2 x 350	250	60	100	380
2 x 400	250	60	125	430
2 x 450	250	60	150	480
2 x 500	200	60	175	560
2 x 550	160	60	200	640

##### Choke Input

$V_{a(r.m.s.)}$ (V)	$I_{out}$ (mA)	L (H)	$R_{lim}$ (per anode) ( $\Omega$ )	$V_{out}$ (V)
2 x 300	250	10	0	250
2 x 350	250	10	0	290
2 x 400	250	10	0	330
2 x 450	250	10	0	375
2 x 500	250	10	0	420
2 x 550	225	10	0	465

