

# FULL-WAVE RECTIFIER

# GZ33

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

## HEATER

$V_b$	5.0	V
$I_b$	3.0	A

## LIMITING VALUES

P.I.V. max.	1.4	kV
$i_{a(pk)}$ max.	750	mA
$i_a$ surge max.	2.5	A

### Capacitor input

$V_{a(r.m.s.)}$ max.	500	V
$I_{out}$ max.	250	mA
C max.	60	$\mu$ F

### Choke input

$V_{a(r.m.s.)}$ max.	500	V
$I_{out}$ max.	300	mA
L min.	10	H

## TYPICAL OPERATING CONDITIONS

### Capacitor input

$V_{a(r.m.s.)}$ (V)	$I_{out}$ (mA)	C ( $\mu$ F)	$R_{12m.}$ min. (per anode) ( $\Omega$ )	$V_{out}$ (V)
2 $\times$ 300	250	8	140	271
2 $\times$ 400	250	8	200	375
2 $\times$ 500	250	8	250	479
2 $\times$ 300	250	60	140	289
2 $\times$ 400	250	60	200	388
2 $\times$ 500	250	60	250	493

### Choke input

$V_{a(r.m.s.)}$ (V)	$I_{out}$ (mA)	L (H)	$V_{out}$ (V)
2 $\times$ 300	300	10	242
2 $\times$ 400	300	10	332
2 $\times$ 500	300	10	421

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