

DOUBLE ANODE RECTIFYING TUBE

Double anode high vacuum rectifying tube.

QUICK REFERENCE DATA

| | | | |
|---------------------|----------|-------|-----------|
| Transformer voltage | V_{tr} | 2x450 | V_{RMS} |
| D.C. current | I_o | 100 | mA |

HEATING: Indirect by A.C.; parallel supply

Heater voltage

V_f 6.3 V

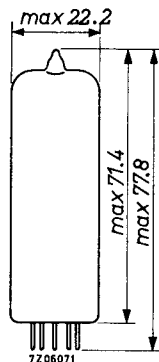
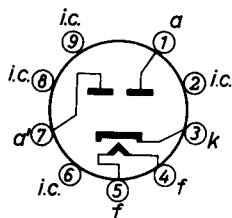
Heater current

I_f 1 A

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Noval



OPERATING CHARACTERISTICS

As two-phase half-wave rectifier with capacitor input filter See page 4 upper fig.

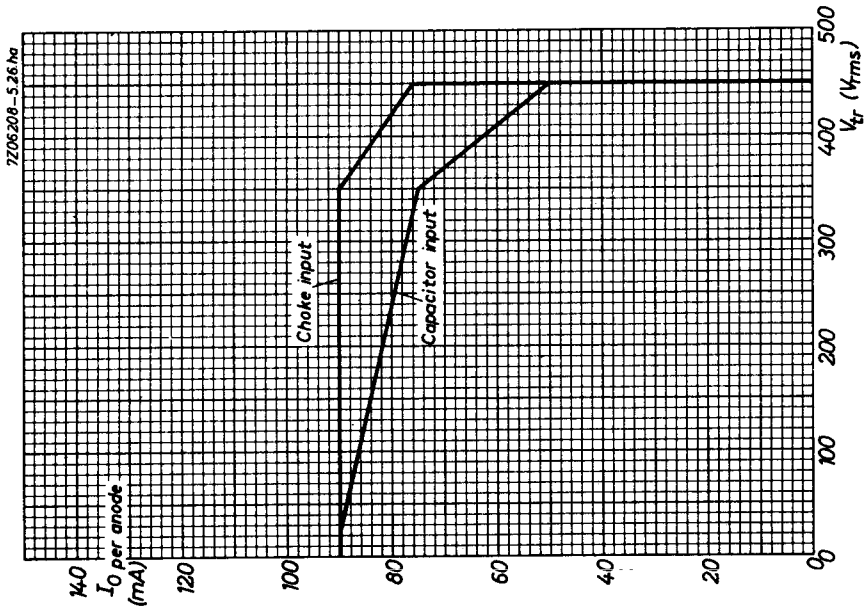
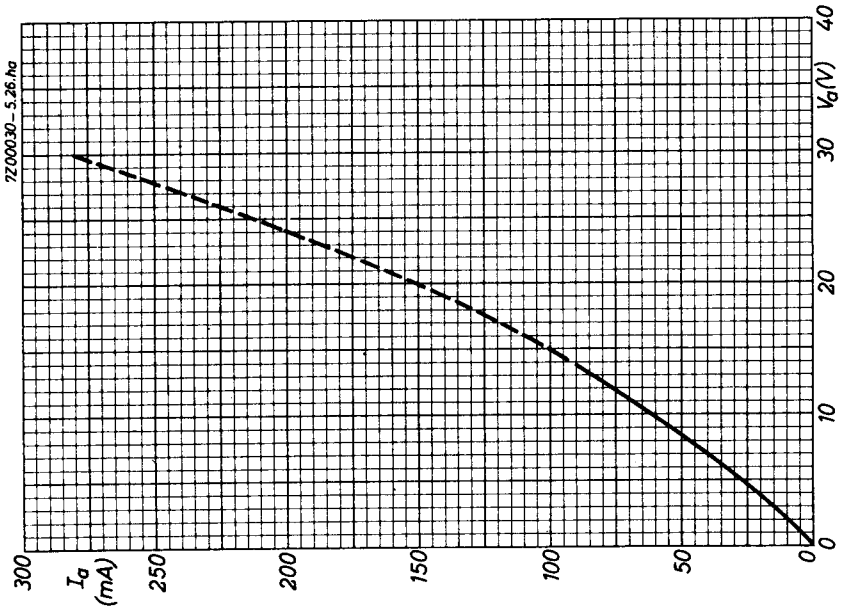
| | | | | | |
|-------------------------------------|------------|-------|-------|-------|-----------|
| Transformer voltage | V_{tr} | 2x250 | 2x350 | 2x450 | V_{RMS} |
| D.C. output voltage | V_o | 245 | 352 | 497 | V |
| D.C. current | I_o | 160 | 150 | 100 | mA |
| Protecting resistance | R_t | 2x150 | 2x230 | 2x310 | Ω |
| Input capacitor of smoothing filter | C_{filt} | 50 | 50 | 50 | μF |

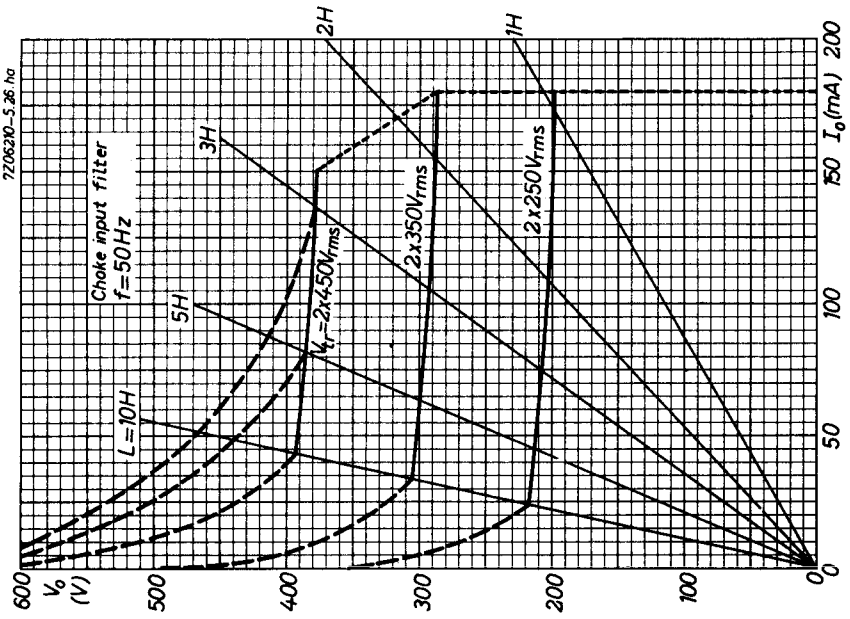
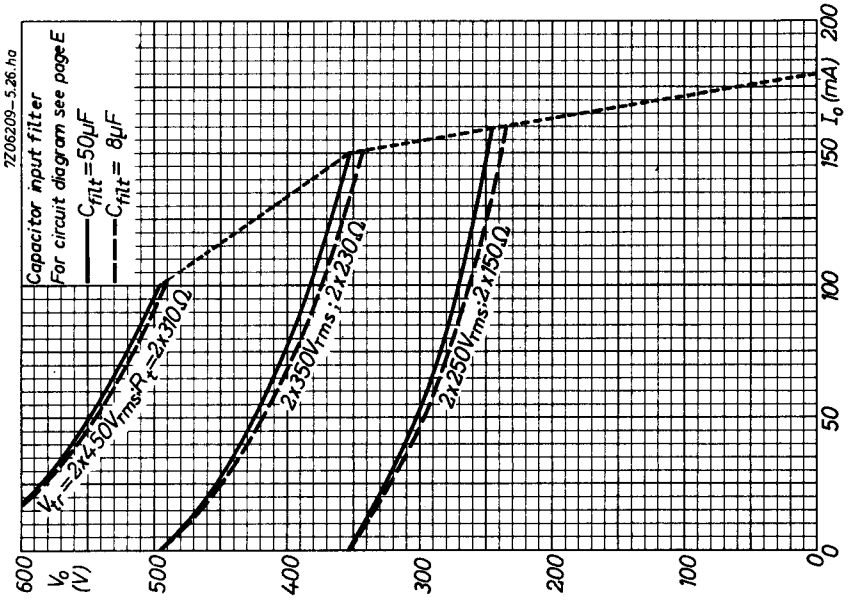
As two-phase half-wave rectifier with choke input filter See page 4 lower fig.

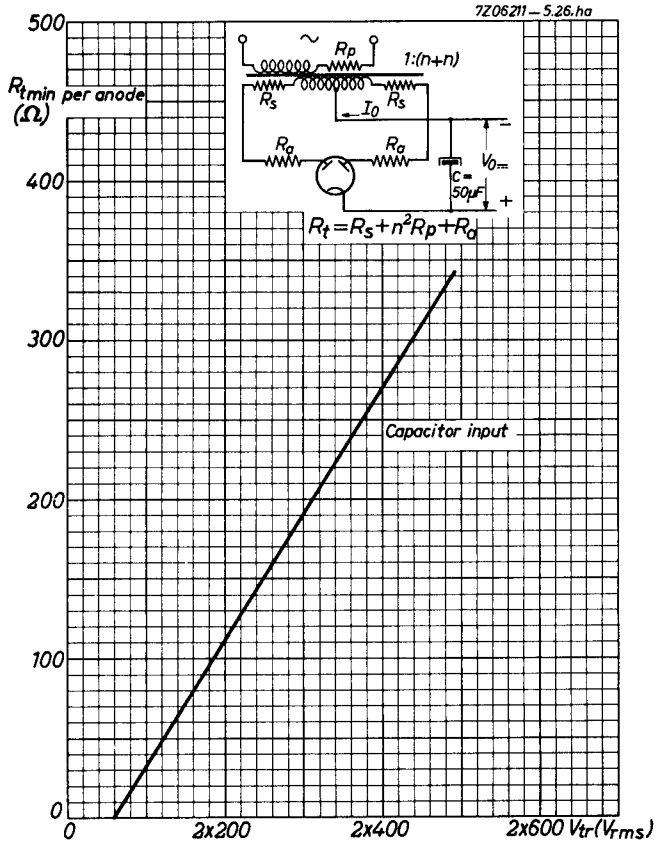
| | | | | | |
|---------------------|----------|-------|-------|-------|-----------|
| Transformer voltage | V_{tr} | 2x250 | 2x350 | 2x450 | V_{RMS} |
| D.C. output voltage | V_o | 199 | 288 | 378 | V |
| D.C. current | I_o | 180 | 180 | 150 | mA |
| Choke | L | 10 | 10 | 10 | H |

LIMITING VALUES (Design centre rating system)

| | | | | |
|-------------------------------------|--------------|-----------------------|------|---------|
| Anode voltage, peak inverse | V_{ainvp} | max. | 1300 | V |
| D.C. current | I_o | See page 3 | | |
| Transformer voltage | V_{tr} | lower figure | | |
| Anode current, peak | I_{ap} | max. | 500 | mA |
| surge | I_{asurge} | max. | 1.8 | A |
| Cathode to heater voltage, k pos | V_{kf} | max. | 500 | V |
| Input capacitor of smoothing filter | C_{filt} | max. | 50 | μF |
| Protecting resistance | R_t min. | See page 5 | | |
| Choke | L min. | See page 4 lower fig. | | |







PHILIPS

Data handbook



Electronic
components
and materials

EZ81

| page | sheet | date |
|-------------|--------------|-------------|
| 1 | 1 | 1970.01 |
| 2 | 2 | 1970.01 |
| 3 | 3 | 1970.01 |
| 4 | 4 | 1970.01 |
| 5 | 5 | 1970.01 |
| 6 | FP | 1999.03.19 |