

## TWIN-DIODE HIGH VACUUM RECTIFIER

## VOLTAGE DOUBLER

## UNIPOTENTIAL CATHODES

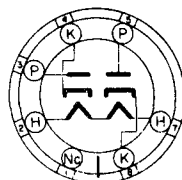
## HEATER

35 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB

MEDIUM 7 PIN OCTAL BASE



7Q-0-0

THE TUNG-SOL 35Z6G IS DESIGNED PRIMARILY FOR HEAVY DUTY SERVICE AS A POWER RECTIFIER IN AC-DC CIRCUITS. TWO SEPARATE RECTIFIER SECTIONS PERMIT USING THE TUBE AS A VOLTAGE DOUBLER, FULL WAVE RECTIFIER OR HALF WAVE RECTIFIER. FOR HALF WAVE OPERATION THE TWO SECTIONS MAY BE USED SEPARATELY, OR IN PARALLEL TO INCREASE THE OUTPUT CURRENT AND REDUCE TUBE DROP.

## RATINGS

|                                                   |     |       |
|---------------------------------------------------|-----|-------|
| MAXIMUM AC PLATE VOLTAGE (RMS)                    | 235 | VOLTS |
| MAXIMUM DC HEATER TO CATHODE POTENTIAL            | 350 | VOLTS |
| MAXIMUM PEAK INVERSE VOLTAGE                      | 700 | VOLTS |
| MAXIMUM STEADY-STATE PEAK PLATE CURRENT PER PLATE | 660 | MA.   |
| TUBE VOLTAGE DROP AT 220 MA. DC PER PLATE         | 20  | VOLTS |

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

## VOLTAGE DOUBLER

|                                                               | HALF WAVE | FULL WAVE |       |
|---------------------------------------------------------------|-----------|-----------|-------|
| AC PLATE VOLTAGE PER PLATE (RMS)                              | 117       | 117       | VOLTS |
| DC OUTPUT CURRENT <sup>MAX.</sup>                             | 110       | 110       | MA.   |
| MINIMUM EFFECTIVE PLATE SUPPLY IMPEDANCE <sup>PER PLATE</sup> | 30        | 15        | OHMS  |

## HALF WAVE RECTIFIER

## CONDENSER INPUT TO FILTER

|                                                               |     |     |     |       |
|---------------------------------------------------------------|-----|-----|-----|-------|
| AC PLATE VOLTAGE PER PLATE (RMS)                              | 117 | 150 | 235 | VOLTS |
| DC OUTPUT CURRENT PER PLATE <sup>MAX.</sup>                   | 110 | 110 | 110 | MA.   |
| MINIMUM EFFECTIVE PLATE SUPPLY IMPEDANCE <sup>PER PLATE</sup> | 15  | 40  | 100 | OHMS  |

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

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