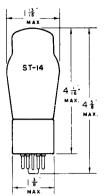
# TUNG-SOL -



# TWIN-DIODE HIGH VACUUM RECTIFIER **VOLTAGE DOUBLER**

UNIPOTENTIAL CATHODES

HEATER 35 VOLTS 0.3 AMPERE AC OR DC



79-0-0

GLASS BULB

MEDIUM 7 PIN OCTAL BASE

THE TUNG-SOL 35ZEG 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	VOL TS
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 FER PLATE	20	VOLTS

#### TYPICAL OPERATING CONDITIONS AND CHARACTERSTICS

#### VOLTAGE DOUBLER

	HALF WAVE	FULL WAVE	
AC PLATE VOLTAGE PER PLATE (RMS)	117	117	VOLTS
DC OUTPUT CURRENT MAX.	110	110	MA.
MINIMUM EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE	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 MAX.	110	110	110	MA.
MINIMUM EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE	15	40	100	OHMS

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