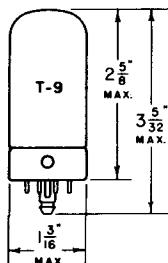


TUNG-SOL

HALF WAVE

HIGH VACUUM RECTIFIER



UNIPOTENTIAL CATHODE

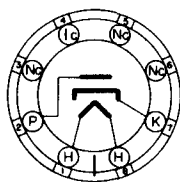
HEATER

32.0 VOLTS 0.15 AMPERE

AC OR DC

GLASS BULB

8 PIN LOCKING-IN BASE



4Z

BOTTOM VIEW

NOTE: 1G DENOTES
INTERNAL CONNECTION

THE TUNG-SOL 3523 IS DESIGNED PRIMARILY FOR SERVICE AS A POWER RECTIFIER IN AC-DC RECEIVERS WHICH EMPLOY 150 MA. HEATER TUBES.

RATINGS

NOMINAL HEATER VOLTAGE	35.0	VOLTS
NOMINAL HEATER CURRENT	0.16	AMP.
MAXIMUM AC PLATE VOLTAGE (RMS)	235	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	700	VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL	350	VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT	600	MA.
TUBE VOLTAGE DROP - AT 200 MA.	20	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HALF WAVE RECTIFIER WITH CONDENSER INPUT TO FILTER

AC PLATE VOLTAGE (RMS)	117	150	235 MAX.	VOLTS
DC OUTPUT CURRENT MAX.	100	100	100	MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE MIN. ^A	15	40	100	OHMS

^A WHEN FILTER CONDENSERS LARGER THAN 40 MFDs. ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

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

35Z3

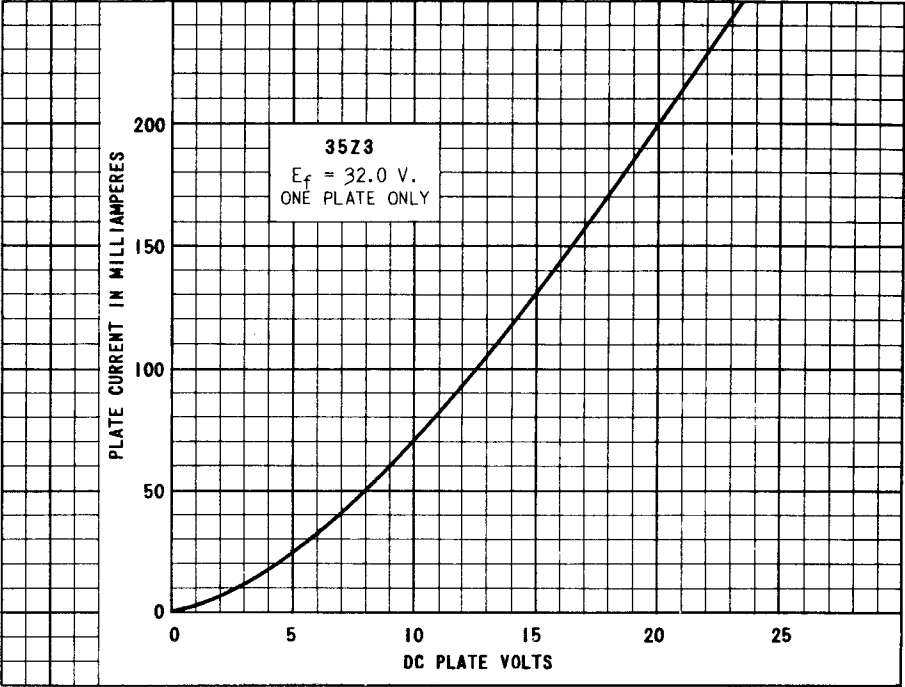


PLATE
827-1