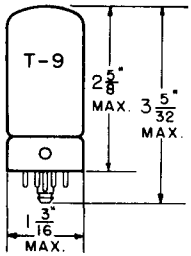
TUNG-SOL

DOUBLE DIODE

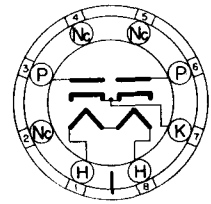


GLASS BULB

UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.90 AMPERE
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
LOCK-IN 8 PIN BASE

THE 7Z4 IS A HEATER-CATHODE TYPE HIGH VACUUM TWIN DIODE USING THE LOCK-IN CONSTRUCTION. IT IS INTENDED FOR POWER RECTIFIER SERVICE IN AC OPERATED EQUIPMENT OR FOR USE WITH STORAGE BATTERY AND VIBRATOR IN AUTOMOTIVE RECEIVERS OR AMPLIFIERS.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM DC HEATER-CATHODE VOLTAGE	450	VOLTS
MAXIMUM AC PLATE VOLTAGE (RMS) CONDENSER INPUT	325	VOLTS
MAXIMUM PLATE VOLTAGE (RMS) CHOKE INPUT	450	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	1 250	VOLTS
MAXIMUM DC OUTPUT CURRENT	100	MA.
MAXIMUM STEADY STATE PEAK PLATE CURRENT EACH PLATE	300	MA.
TUBE VOLTAGE DROP (MEASURED WITH TUBE CONDUCTING 100 MA. EACH PLATE)	40	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FULL WAVE RECTIFIER

CONDENSER INPUT TO FILTER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.90	AMP.
AC PLATE VOLTAGE EACH PLATE (RMS)	325	VOLTS
DC OUTPUT CURRENT	100	MA.
PLATE SUPPLY IMPEDANCE EACH PLATE[A]	75	OHMS

[A] WHEN A FILTER CONDENSER LARGER THAN 40 μF IS USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

CHOKE INPUT TO FILTER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.90	AMP.
AC PLATE VOLTAGE EACH PLATE (RMS)	450	VOLTS
DC OUTPUT CURRENT	100	MA.
MINIMUM VALUE INPUT CHOKE	6	HENRYS

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PLATE 2120
DEC. 1, 1948

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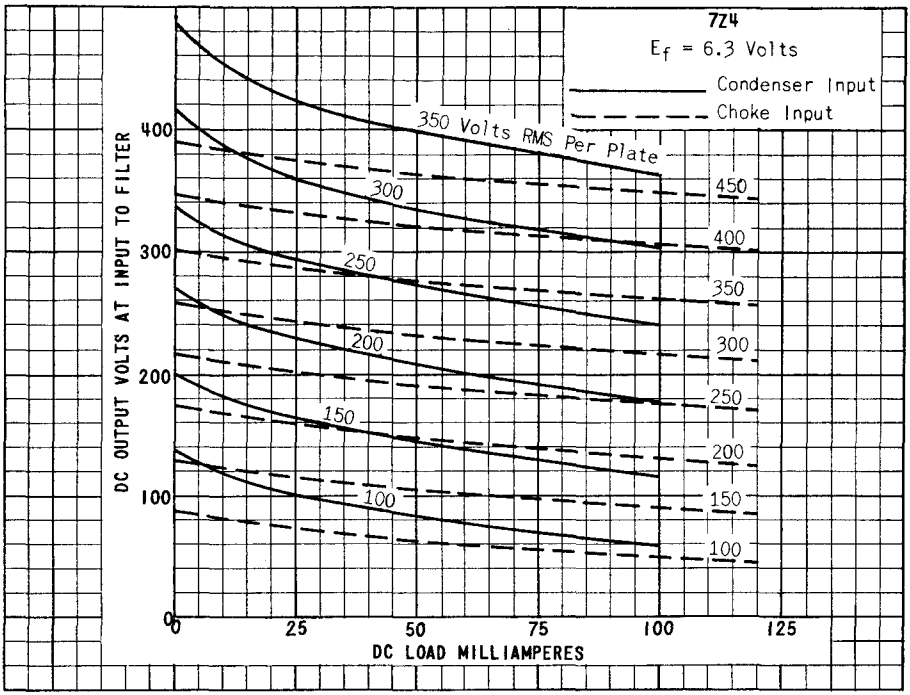
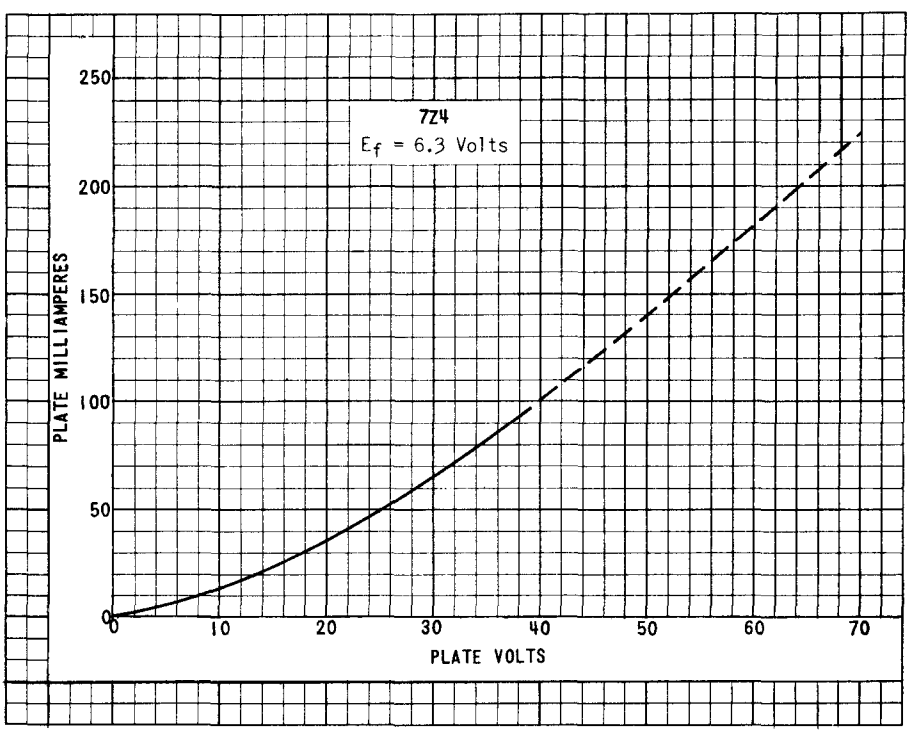
7Z4





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