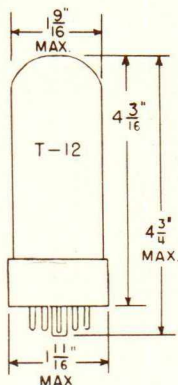


TUNG-SOL

TWIN DIODE



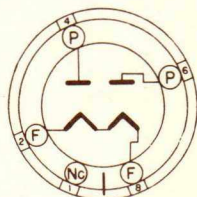
GLASS BULB

COATED FILAMENT

5.0 VOLTS 3.75 AMP.

AC OR DC

VERTICAL MOUNTING POSITION

HORIZONTAL OPERATION IS PERMITTED
IF PINS 2 AND 4 ARE IN A VERTICAL
PLANE.

BOTTOM VIEW

8 PIN OCTAL

5T

THE 5AU4 IS A FILAMENTARY FULL-WAVE HIGH-VACUUM RECTIFIER DESIGNED FOR USE IN THE POWER SUPPLY OF TELEVISION RECEIVERS AND OTHER EQUIPMENTS WHICH HAVE HIGH OUTPUT CURRENT REQUIREMENTS. IN FULL-WAVE OPERATION WITH A SUPPLY VOLTAGE OF 300 VOLTS RMS, THE 5AU4 IS CAPABLE OF DELIVERING A DC OUTPUT CURRENT OF 350 MILLIAMPERES.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

RECTIFIER SERVICE^A

FILAMENT VOLTAGE	5.0	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE	1 400	VOLTS
MAXIMUM AC PLATE SUPPLY VOLTAGE (PER PLATE)	SEE RATING CHART #1	
MAXIMUM STEADY-STATE PEAK PLATE CURRENT (PER PLATE)	1 075	MA.
MAXIMUM TRANSIENT PEAK PLATE CURRENT (PER PLATE)	5.25	AMP.
MAXIMUM DURATION 0.2 SECOND	SEE RATING CHART #1	
MAXIMUM DC OUTPUT CURRENT		

^A FOR USE WITH SINUSOIDAL SUPPLY VOLTAGES WITHIN THE FREQUENCY RANGE OF 25 TO 1000 CYCLES PER SECOND.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

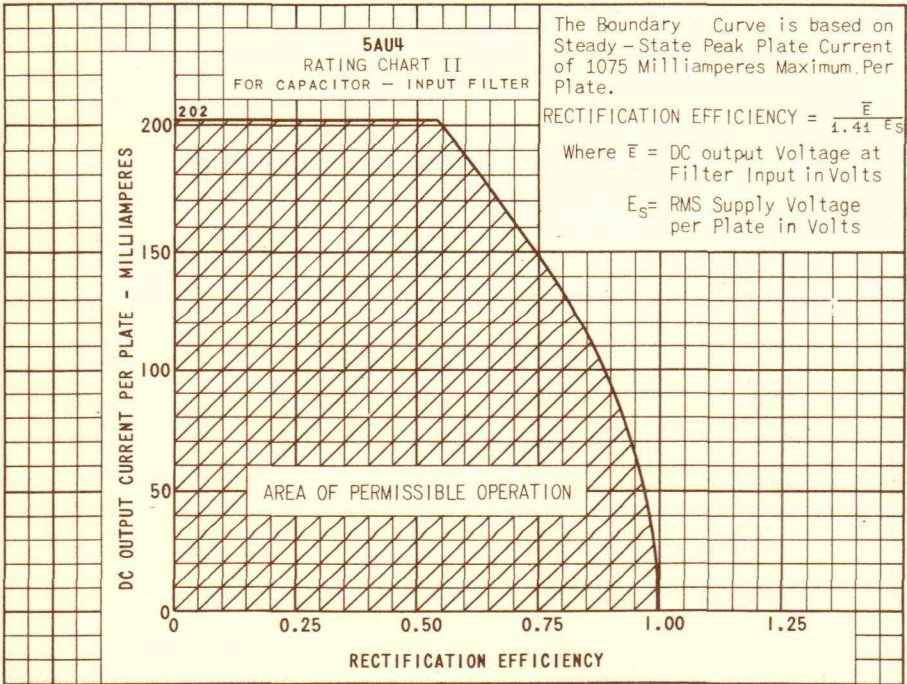
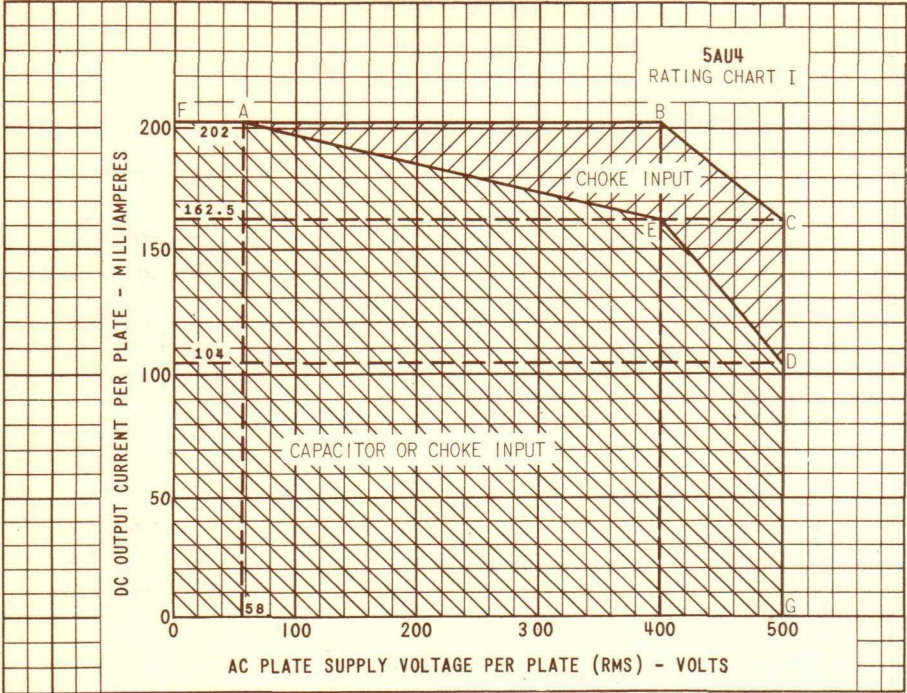
FULL-WAVE RECTIFIER WITH CAPACITOR-INPUT FILTER

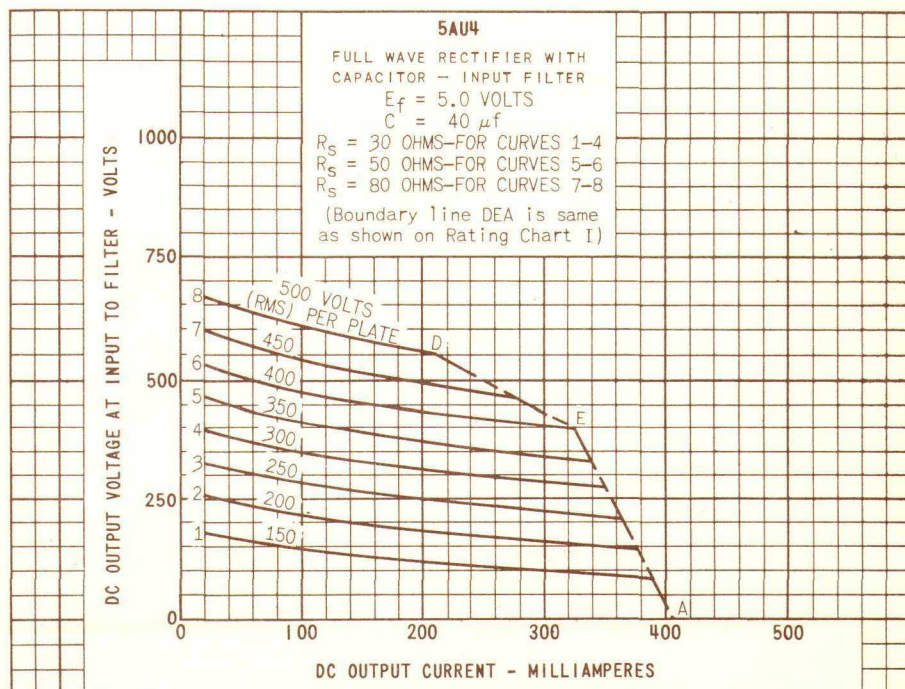
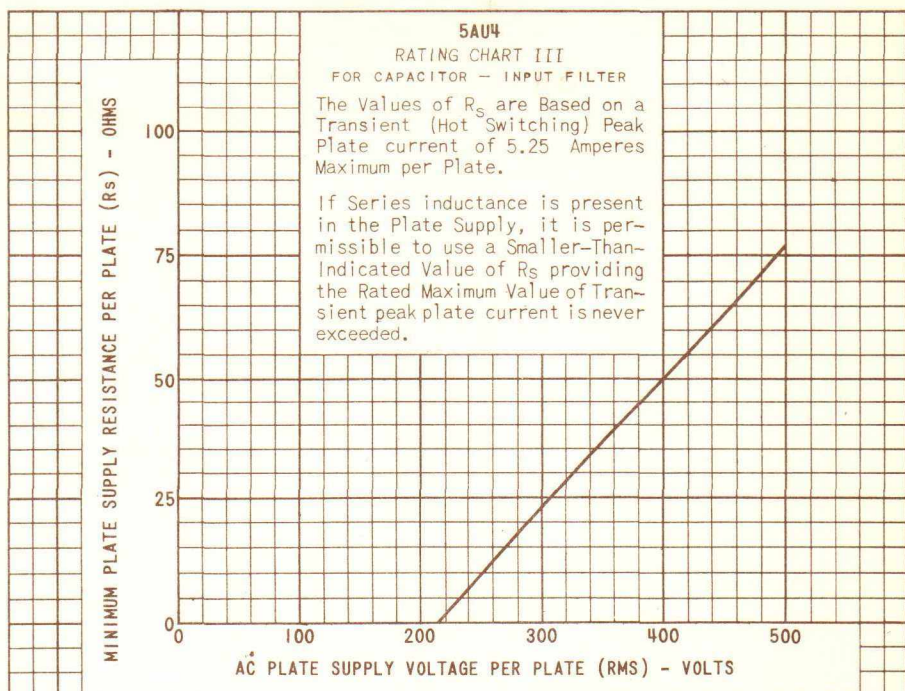
FILAMENT VOLTAGE	5.0	VOLTS
FILAMENT CURRENT	3.75 ←	AMP.
AC PLATE-SUPPLY VOLTAGE (PER PLATE) RMS	300	400 VOLTS
FILTER INPUT CAPACITOR	40	40 μf
TOTAL PLATE-SUPPLY RESISTANCE (PER PLATE)	30	50 OHMS
DC OUTPUT CURRENT	350	325 MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	275	395 VOLTS

FULL-WAVE RECTIFIER WITH CHOKE-INPUT FILTER

FILAMENT VOLTAGE	5.0	VOLTS
FILAMENT CURRENT	4.5	AMP.
AC PLATE-SUPPLY VOLTAGE (PER PLATE) RMS	500	VOLTS
FILTER INPUT CHOKE	10	HENRYS
DC OUTPUT CURRENT	325	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	395	VOLTS
TUBE VOLTAGE DROP		
$I_b = 350$ MA. DC (PER PLATE)	50	VOLTS

→ INDICATES A CHANGE.





5AU4

