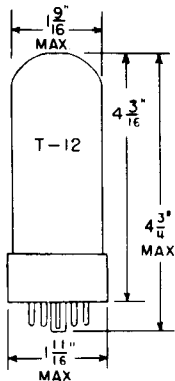


## TUNG-SOL

## TWIN DIODE



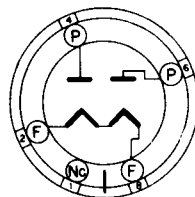
GLASS BULB

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<sup>A</sup>

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)			
MAXIMUM DURATION 0.2 SECOND		5.25	AMP.
MAXIMUM DC OUTPUT CURRENT		SEE RATING CHART #1	

<sup>A</sup> 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

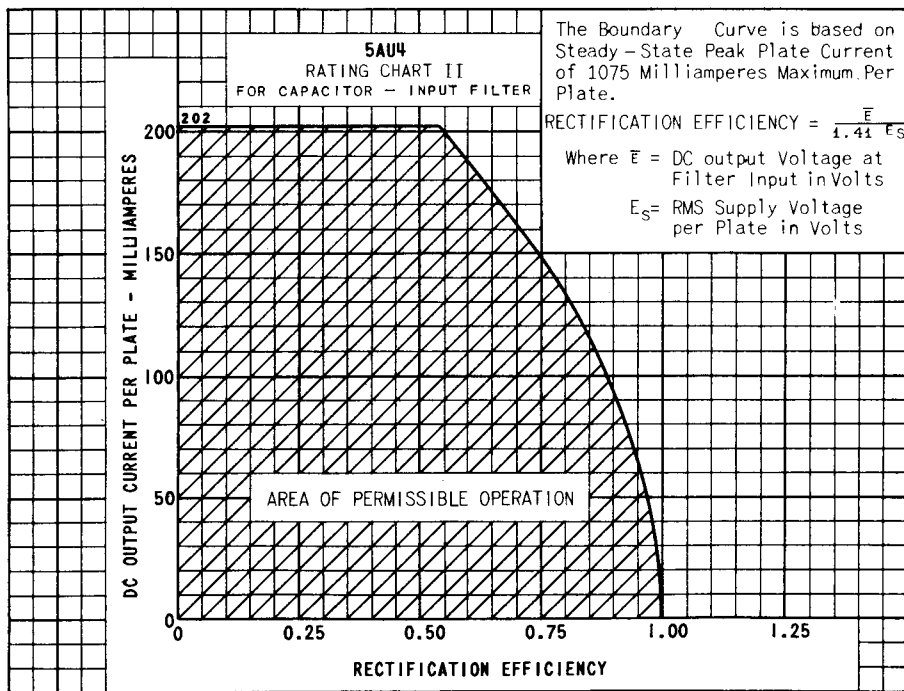
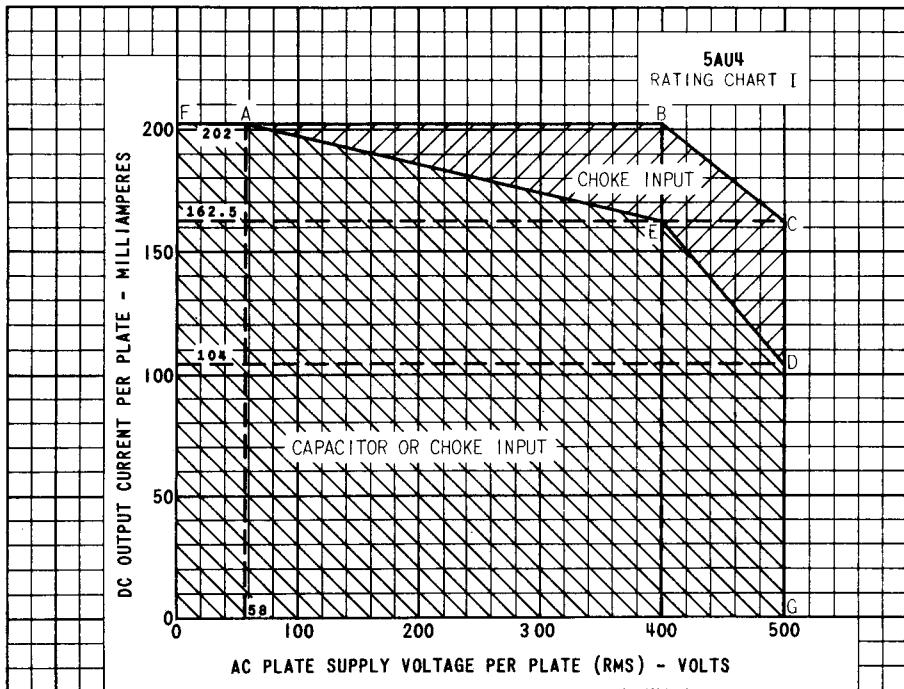
FILAMENT VOLTAGE		5.0	VOLTS
FILAMENT CURRENT		3.75 ←	AMP.
AC PLATE-SUPPLY VOLTAGE (PER PLATE) RMS	300	400	VOLTS
FILTER INPUT CAPACITOR	40	40	μf
TOTAL PLATE-SUPPLY RESISTANCE (PER PLATE)	30	50	OHMS
DC OUTPUT CURRENT	350	325	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	275	395	VOLTS

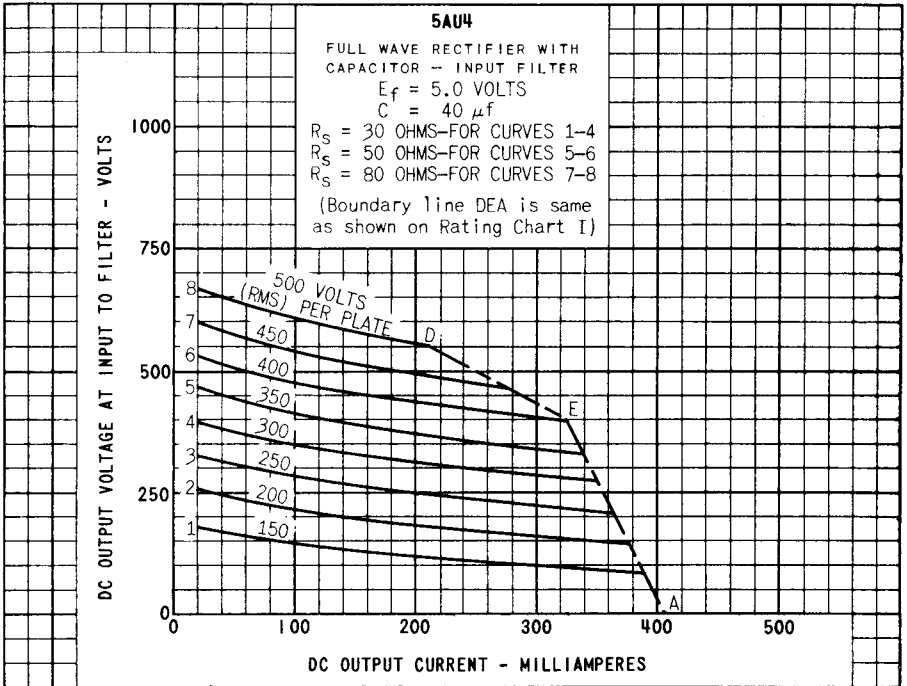
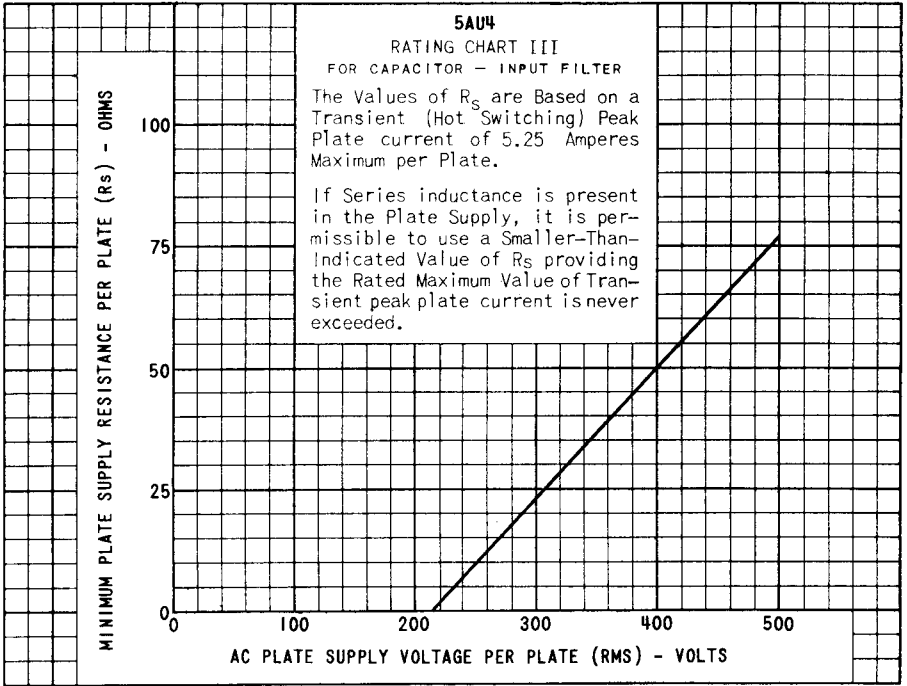
FULL-WAVE RECTIFIER WITH CHOKE-INPUT FILTER

FILAMENT VOLTAGE		5.0	VOLTS
FILAMENT CURRENT		4.5	AMP.
AC PLATE-SUPPLY VOLTAGE (PER PLATE) RMS		500	VOLTS
FILTER INPUT CHOKE		10	HENRY'S
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





# 5AU4

