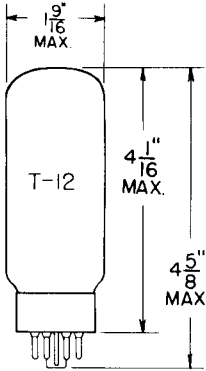


TUNG-SOL

TWIN DIODE



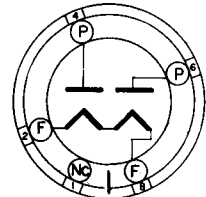
GLASS BULB

COATED FILAMENT

5.0 VOLTS 3.8 AMP.
AC OR DC

VERTICAL MOUNTING POSITION

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



BOTTOM VIEW
SHORT-MEDIUM SHELL
8 PIN OCTAL

5T

THE 5V3 IS A FILAMENTARY, FULL-WAVE, HIGH VACUUM RECTIFIER DESIGNED FOR SERVICE IN THE POWER SUPPLY OF COLOR TELEVISION RECEIVERS OR OTHER EQUIPMENT REQUIRING HIGH CURRENT.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM
RECTIFIER SERVICE ^B

FILAMENT VOLTAGE		5.0	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE		1 400	VOLTS
MAXIMUM AC PLATE SUPPLY VOLTAGE (EACH PLATE) RMS (SEE RATING CHART #1)		500	VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT (EACH PLATE) (SEE RATING CHART #2)		1.2	AMP.
MAXIMUM TRANSIENT PEAK PLATE CURRENT (EACH PLATE) (SEE RATING CHART #3)		5.5	AMP.
MAXIMUM DC OUTPUT CURRENT		SEE RATING CHART #1	

^B FOR USE WITH SINUSOIDAL SUPPLY VOLTAGES WITHIN THE FREQUENCY RANGE OF 25 TO 1000 CPS.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FULL WAVE RECTIFIER - CAPACITOR INPUT FILTER

FILAMENT VOLTAGE		5.0	VOLTS
FILAMENT CURRENT		3.8	AMP.
AC PLATE SUPPLY VOLTAGE (EACH PLATE) RMS ^C	300	425	VOLTS
FILTER INPUT CAPACITOR	40	40	μ f
EFFECTIVE PLATE SUPPLY RESISTANCE (EACH PLATE)	24	56	OHMS
DC OUTPUT CURRENT	380	350	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	285	430	VOLTS

^C AC PLATE VOLTAGE IS MEASURED WITHOUT LOAD.

CONTINUED ON FOLLOWING PAGE

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CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS - CONT'D.
 FULL WAVE RECTIFIER - CHOKE INPUT FILTER

FILAMENT VOLTAGE	5.0	VOLTS
FILAMENT CURRENT	3.8	AMP.
AC PLATE SUPPLY VOLTAGE (EACH PLATE) RMS ^C	500	VOLTS
FILTER INPUT CHOKE	10	HENRYS
DC OUTPUT CURRENT	350	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	385	VOLTS
TUBE VOLTAGE DROP		
TUBE CONDUCTING 350 MA. (EACH PLATE)*	47	VOLTS

^C AC PLATE VOLTAGE IS MEASURED WITHOUT LOAD.

* INDICATES AN ADDITION.

