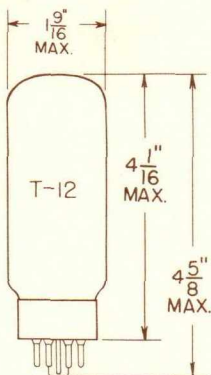


TUNG-SOL

TWIN DIODE



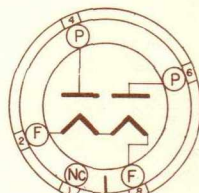
GLASS BULB

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
FILTER INPUT CAPACITOR	40	40
		μf
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

TUNG-SOL

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.

