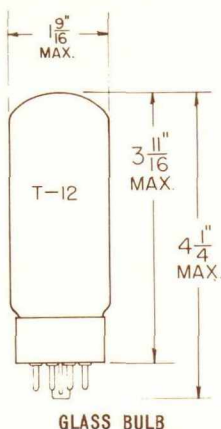


TUNG-SOL

TWIN-DIODE



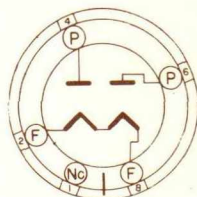
COATED FILAMENT

FILAMENT

5 VOLTS 3 AMP.

AC OR DC

VERTICAL MOUNTING POSITION

HORIZONTAL OPERATION PERMITTED IF
PINS 1 & 4 ARE IN A VERTICAL PLANE.

BOTTOM VIEW

SHORT MEDIUM SHELL
5 PIN OCTAL

OR

SHORT MEDIUM SHELL
8 PIN OCTALWITH
EXTERNAL BARRIERS
5TPINS 3, 5, & 7
NO CONNECTION.

THE 5AS4A IS A FULL-WAVE VACUUM RECTIFIER INTENDED FOR USE IN POWER SUPPLIES OF TELEVISION RECEIVERS AND RADIO EQUIPMENT HAVING HIGH DC REQUIREMENTS. IT IS ESPECIALLY DESIGNED TO PERMIT OPERATION AT HIGHER PEAK AND AVERAGE CURRENT RATINGS. EXCEPT FOR THE USE OF A T-12 BULB, IT IS IDENTICAL TO THE 5AS4.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

FULL-WAVE RECTIFIER

FILAMENT VOLTAGE	5	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE	1 550	VOLTS
MAXIMUM STEADY STATE PEAK CURRENT PER PLATE	1.0	AMP.
MAXIMUM AC PLATE SUPPLY VOLTAGE (RMS) PER PLATE	550	VOLTS
MAXIMUM DC OUTPUT CURRENT PER PLATE	(SEE RATING CHART 1)	
MAXIMUM TRANSIENT PEAK PLATE CURRENT PER PLATE	4.6	AMP.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FULL-WAVE RECTIFIER

CAPACITOR-INPUT FILTER

FILAMENT VOLTAGE	5	5	VOLTS
FILAMENT CURRENT	3	3	AMP.
AC PLATE TO PLATE SUPPLY VOLTAGE (RMS) ^A	600	900	VOLTS
FILTER INPUT CAPACITOR	40	40	μf
TOTAL EFFECT. PLATE SUPPLY IMPEDANCE (PER PLATE)	21	67	OHMS
DC OUTPUT CURRENT	300	275	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	290	460	VOLTS
TUBE VOLTAGE DROP	54	50	VOLTS

^A 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	VOLTS
FILAMENT CURRENT	3	AMP.
AC PLATE TO PLATE SUPPLY VOLTAGE (RMS) ^A	100	VOLTS
FILTER INPUT CHOKE	10	HENRIES
DC OUTPUT CURRENT	275	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	420	VOLTS

^A MEASURED WITHOUT LOAD