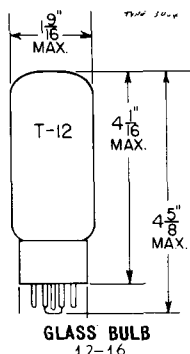


TUNG-SOL

POWER RECTIFIER



COATED FILAMENT CATHODE

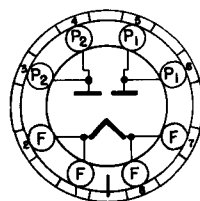
FILAMENT

5.0 VOLTS 3.0 AMP.^A

AC OR DC

^A1.5 AMP PER BASE LEAD

VERTICAL MOUNTING POSITION

HORIZONTAL OPERATION PERMITTED IF
PIN 2 & 4 ARE IN A VERTICAL PLANE.

BOTTOM VIEW

SHORT MEDIUM SHELL
8 PIN OCTAL

8 K S

THE 5DJ4 IS A HIGH-VACUUM POWER RECTIFIER WITH DOUBLE FILAMENT LEADS AND DOUBLE PLATE LEADS WHICH REDUCE THE CURRENT THROUGH EACH LEAD TO ONE-HALF THE CURRENT OF SINGLE LEAD TUBES.

ELECTRICALLY, THE 5DJ4 IS IDENTICAL TO THE 5U4GB AND MAY BE USED FOR THE SAME APPLICATIONS.

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

RECTIFIER SERVICE^B

MAXIMUM VOLTAGE, PEAK INVERSE	1700	VOLTS
MAXIMUM PLATE SUPPLY VOLTAGE, RMS (RATING CHART 1)	600	VOLTS
MAXIMUM DC OUTPUT CURRENT (RATING CHART 1)		
MAXIMUM STEADY-STATE PEAK PLATE CURRENT, EACH PLATE (RATING CHART 2)	1.0	AMP.
MAXIMUM TRANSIENT PEAK PLATE CURRENT, EACH PLATE (RATING CHART 3)	5.0	AMP.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

TUBE CONDUCTING:

225 MA (EACH PLATE)	44	VOLTS
275 MA (EACH PLATE)	50	VOLTS
300 MA (EACH PLATE)	54	VOLTS

FULL-WAVE RECTIFIER - CAPACITOR INPUT FILTER

PLATE SUPPLY VOLTAGE, RMS (EACH PLATE) ^C	300	450	VOLTS
PLATE SUPPLY RESISTANCE (EACH PLATE)	21	67	OHMS
FILTER INPUT CAPACITOR	40	40	μf
OUTPUT CURRENT, DC	300	275	MA
OUTPUT VOLTAGE AT FILTER INPUT, DC	290	460	VOLTS

^BFOR USE WITH SINUSOIDAL SUPPLY VOLTAGES WITHIN THE FREQUENCY RANGE OF 25 TO 1000 C.P.S.^CTHE INDICATED AC SUPPLY 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

PLATE SUPPLY VOLTAGE, RMS (EACH PLATE) ^C	550	VOLTS
FILTER INPUT CHOKE	10	HENRYS
OUTPUT CURRENT, DC	275	MA
OUTPUT VOLTAGE AT FILTER INPUT, DC	420	VOLTS

^CTHE INDICATED AC SUPPLY VOLTAGE IS MEASURED WITHOUT LOAD.

