

**TUNG-SOL****DOUBLE DIODE**

MINIATURE TYPE

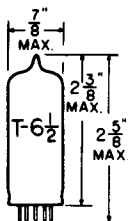
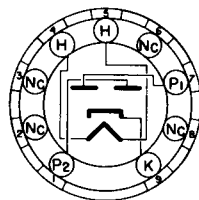
COATED UNIPOTENTIAL CATHODE

HEATER

12.6 VOLTS 450 MA.

AC OR DC

ANY MOUNTING POSITION

**GLASS BULB****BOTTOM VIEW**MINIATURE BUTTON  
9 PIN BASE

90J

THE 12BW4 IS A MINIATURE CATHODE TYPE FULL WAVE RECTIFIER FEATURING RELATIVELY HIGH OUTPUT CURRENT CAPABILITIES. EXCEPT FOR HEATER RATINGS IT IS IDENTICAL TO THE 6BW4.

**RATINGS**

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

**RECTIFIER SERVICE**

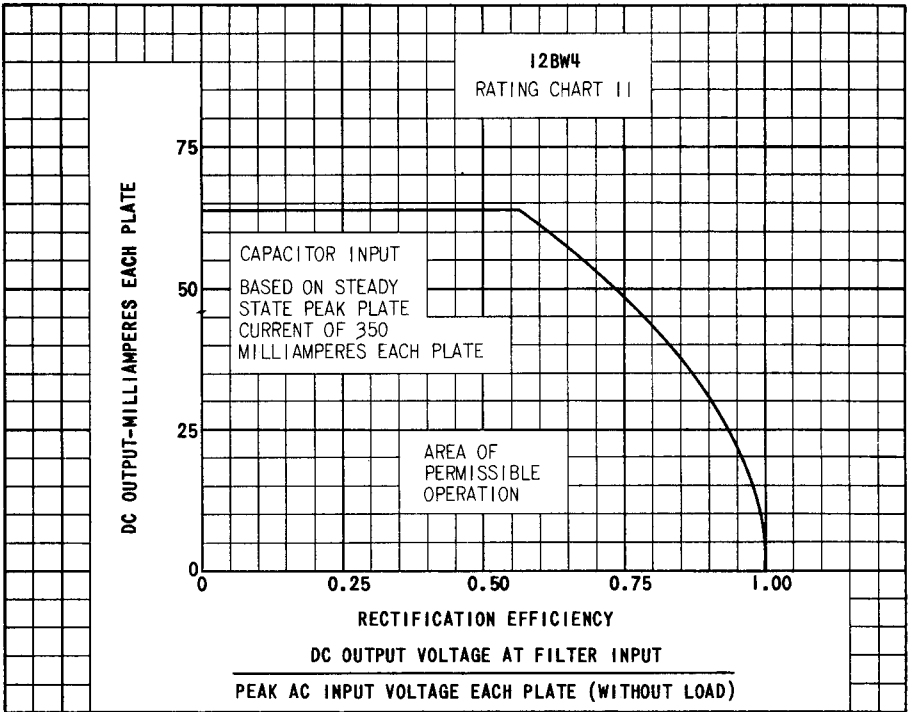
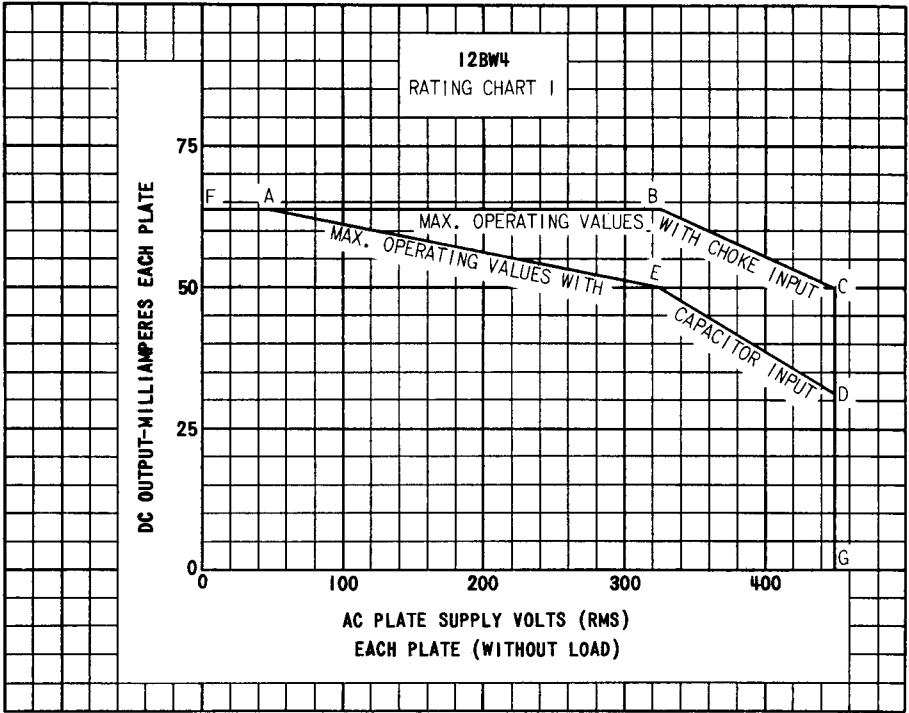
HEATER VOLTAGE	12.6	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE	1275	VOLTS
MAXIMUM AC PLATE SUPPLY VOLTAGE EACH PLATE (RMS) (SEE RATING CHART #1)	450	VOLTS
MAXIMUM DC OUTPUT CURRENT	SEE RATING CHART #1	
MAXIMUM STEADY STATE PEAK PLATE CURRENT EACH PLATE (SEE RATING CHART #2)	350	MA.
MAXIMUM TRANSIENT PEAK PLATE CURRENT EACH PLATE (SEE RATING CHART #3)	2.0	AMP.
MAXIMUM HEATER CATHODE VOLTAGE: HEATER NEGATIVE, DC	450	VOLTS

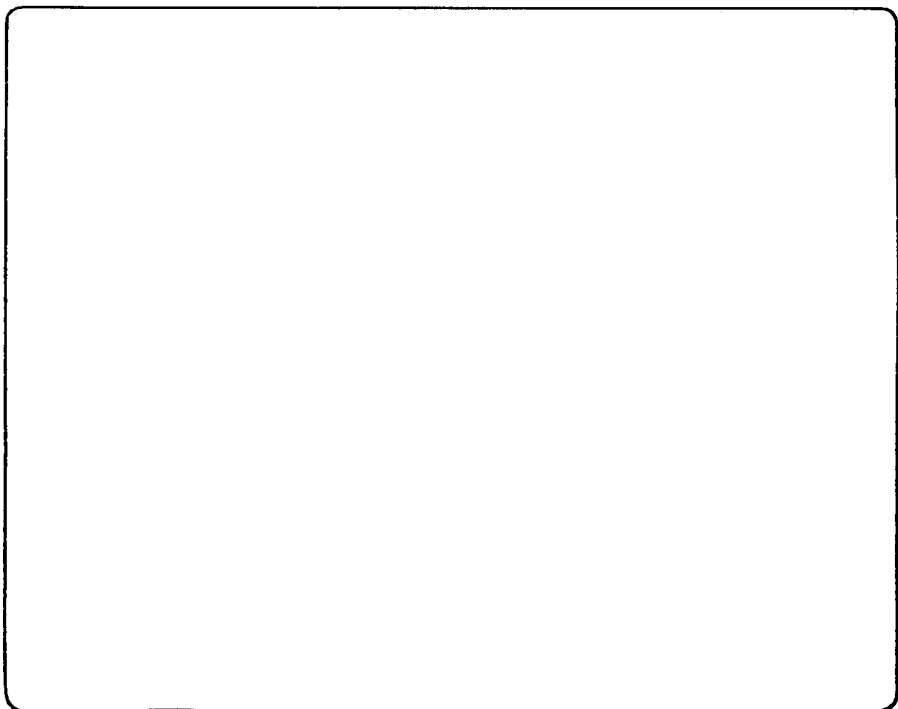
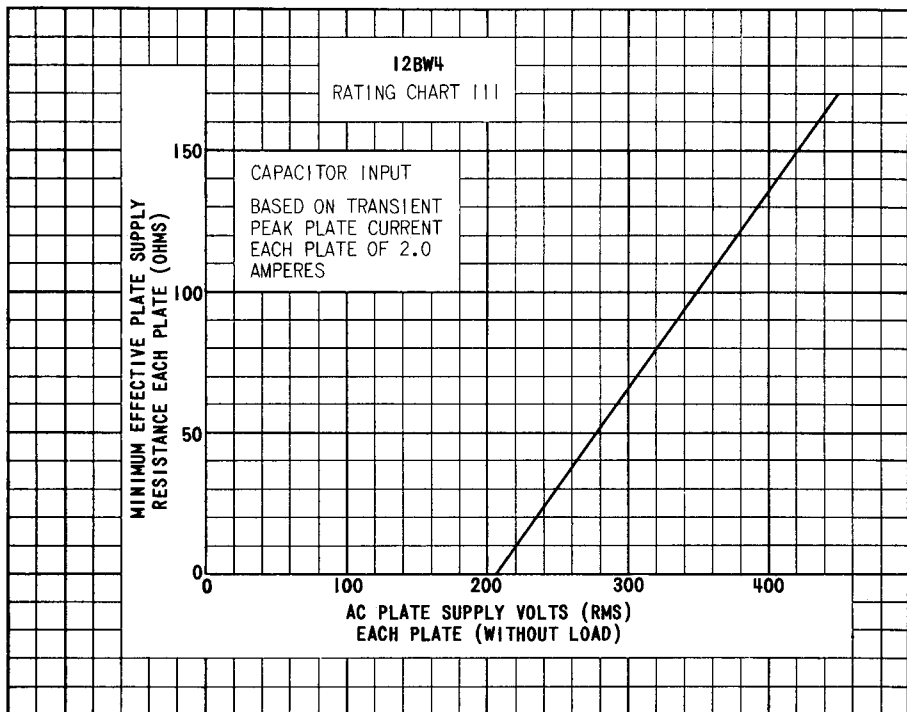
**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS****FULL WAVE RECTIFIER**

	<b>CAPACITOR INPUT FILTER</b>	<b>CHOKES INPUT FILTER</b>	
HEATER VOLTAGE	12.6	12.6	VOLTS
HEATER CURRENT	450	450	MA.
AC PLATE SUPPLY VOLTAGE EACH PLATE (RMS) <sup>A</sup>	325	450	VOLTS
FILTER INPUT CAPACITOR	40	---	$\mu$ f
FILTER INPUT CHOKES	---	10	HENRYS
EFFECTIVE PLATE SUPPLY RESISTANCE EACH PLATE	82	---	OHMS
DC OUTPUT CURRENT	100	100	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	330	360	VOLTS
TUBE VOLTAGE DROP TUBE CONDUCTING: 100 MA. EACH PLATE	40	40	VOLTS

<sup>A</sup> AC PLATE VOLTAGE IS MEASURED WITHOUT LOAD.

# 12BW4 (6BW4)





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