

**TUNG-SOL**

**GAS RECTIFIER**

**PHYSICAL SPECIFICATIONS**

EMITTER IONICALLY HEATED		PIN CONNECTIONS	
BASE SMALL WAFER OCTAL 5-PIN		PIN 1 SHELL	PIN 7 FILAMENT
CAP ---		PIN 2 NONE	PIN 8 FILAMENT
BULB MT-8		PIN 3 STARTER ANODE	
MAX. DIAMETER 1 5/16"		PIN 4 NONE	MOUNTING POS. ANY
MAX. SEATED HEIGHT 2 1/16"		PIN 5 PLATE	
MAX. OVERALL LENGTH 2 5/8"		PIN 6 NONE	

THE OY4 IS A HALF-WAVE GAS RECTIFIER WITH A STARTER ANODE WHICH MAKES IT POSSIBLE TO OPERATE DIRECTLY FROM A 117-VOLT AC OR DC LINE.

**RATINGS AND CHARACTERISTICS**

HALF-WAVE RECTIFIER WITH CONDENSER INPUT TO FILTER  
PINS 7 AND 8 MUST BE CONNECTED TOGETHER<sup>A</sup>

MAXIMUM INVERSE PEAK VOLTAGE	300	VOLTS
MAXIMUM PEAK CURRENT	500	MA.
MAXIMUM DC OUTPUT CURRENT	75	MA.
MINIMUM DC OUTPUT CURRENT	40	MA.
MINIMUM SERIES ANODE RESISTANCE (117-VOLT LINE OPERATION)	50	OHMS
APPROXIMATE TUBE DROP	12	VOLTS
MAXIMUM DC STARTING VOLTAGE <sup>B</sup>	95	VOLTS

<sup>A</sup> RAPID INTERMITTENT OPERATION IS UNDESIRABLE.

<sup>B</sup> WITH STARTER ANODE CONNECTED TO THE ANODE THROUGH A 10 MEGOHM RESISTOR BY-PASSED WITH A 0.002 μF CONDENSER.

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PLATE  
1695  
APRIL 15  
1946