

**TUNG-SOL**

**GAS RECTIFIER**

**PHYSICAL SPECIFICATIONS**

EMITTER IONICALLY HEATED		PIN CONNECTIONS			
BASE	OCTAL 5-PIN DWARF	PIN 1	NO CONNECTION	PIN 7	FILAMENT
CAP	---	PIN 2	NONE	PIN 8	FILAMENT
BULB	T-7	PIN 3	STARTER ANODE		
MAX. DIAMETER	1 5/64"	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 OY4G 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  $\mu$ F CONDENSER.