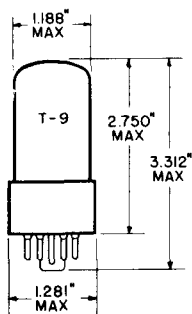
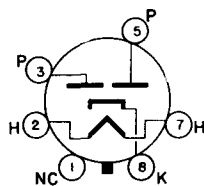


TUNG-SOL**FULL WAVE HIGH VACUUM RECTIFIER**

GLASS BULB
INTERMEDIATE SHELL
6 PIN OCTAL BASE E6-8
OUTLINE DRAWING
JEDEC 9-11

UNIPOTENTIAL CATHODE

FOR
RECTIFIER SERVICE IN
BATTERY OPERATED OR
AC RECEIVERS

**BOTTOM VIEW**

BASING DIAGRAM
JEDEC 65

THE 6X5GT IS DESIGNED FOR SERVICE IN STORAGE BATTERY OR AC OPERATED RECEIVERS.

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	600	MA.
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION		6.3±0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE			
DC		450	VOLTS
TOTAL DC AND PEAK		450	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE			
DC		100	VOLTS
TOTAL DC AND PEAK		200	VOLTS

→ MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PEAK INVERSE PLATE VOLTAGE		1250	VOLTS
STEADY-STATE PEAK PLATE CURRENT	(see rating chart 2)	245	MA.
TRANSIENT PEAK PLATE CURRENT PER PLATE	(see rating chart 3)	1.1	AMP.
DC OUTPUT CURRENT PER PLATE	(see rating chart 1)		
AC PLATE VOLTAGE PER PLATE (RMS):			
CAPACITOR INPUT	(see rating chart 1)		
CHOKE INPUT	(see rating chart 1)		
VIBRATOR OPERATION (MIN. DUTY CYCLE OF 75%):			
DC OUTPUT VOLTAGE AT FILTER INPUT		350	VOLTS
DC OUTPUT CURRENT PER PLATE		45	MA.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

→ TYPICAL OPERATING CHARACTERISTICS
FULL-WAVE RECTIFIER

	SINE-WAVE OPERATION	VIBRATOR OPERATION	
CAPACITOR INPUT TO FILTER:			
AC PLATE VOLTAGE PER PLATE (RMS, NO LOAD)	325	----	VOLTS
INPUT CAPACITOR	10	10	μ f
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE	525	----	OHMS
DC OUTPUT CURRENT	70	70	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT (APPROX.)	310	240	VOLTS
CHOKE INPUT TO FILTER:			
AC PLATE VOLTAGE PER PLATE (RMS, NO LOAD)	400	----	VOLTS
INPUT CHOKE	10	----	HENRY'S
DC OUTPUT CURRENT	70	----	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT (APPROX.)	340	----	VOLTS
TUBE VOLTAGE DROP AT 70 MA. PER PLATE	22	----	VOLTS

A
WHEN THE HEATER IS OPERATED IN AUTOMOTIVE SERVICE FROM A 6-VOLT BATTERY SOURCE, THE PERMISSIBLE RANGE IN HEATER VOLTAGE IS FROM 5.0 TO 8.0 VOLTS.

→ INDICATES A CHANGE.

