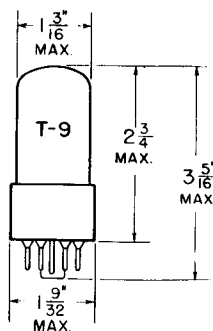


TUNG-SOL

DOUBLE DIODE



GLASS BULB

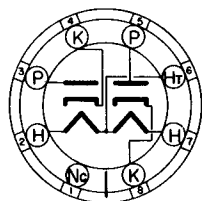
COATED UNIPOTENTIAL CATHODE

HEATER

50 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL
8 PIN OCTAL

THE 50Y7GT IS A TWIN DIODE POWER RECTIFIER TUBE USING THE LOCK-IN CONSTRUCTION. EACH DIODE UNIT IS INDEPENDENT WHICH PERMITS OPERATION AS EITHER HALF-WAVE, FULL-WAVE, OR VOLTAGE DOUBLER. THE HEATER IS COMMON TO THE TWO UNITS AND PROVIDES A TAP CONNECTION FOR PILOT LIGHT OPERATION.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	50	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	350	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE	700	VOLTS
MAXIMUM AC PLATE VOLTAGE EACH PLATE (RMS)	117	VOLTS
VOLTAGE DOUBLER	235	VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT EACH PLATE	450	MA.
TAPPED SECTION VOLTAGE (PINS #6 & #7)	7.5	VOLTS
MAXIMUM DC OUTPUT CURRENT EACH PLATE	75	MA.
MAXIMUM DC OUTPUT CURRENT EACH PLATE WITH PANEL LAMP	65	MA.
TUBE VOLTAGE DROP (MEASURED WITH TUBE CONDUCTING 150 MA. EACH PLATE)	22	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

VOLTAGE DOUBLER

HEATER VOLTAGE	46	VOLTS
HEATER CURRENT	150	MA.
AC PLATE SUPPLY VOLTAGE (RMS)	117	VOLTS
DC PLATE CURRENT TOTAL	65	MA.
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE EACH PLATE	15	OHMS
PANEL LAMP SHUNTING RESISTOR	250	OHMS

HALF-WAVE RECTIFIER

SINGLE SECTION CONDENSER INPUT FILTER

WITH #40 OR #47 PANEL LAMP

HEATER VOLTAGE (PINS #2 & #7)	46	46	46	VOLTS
HEATER CURRENT	150	150	150	MA.
AC PLATE SUPPLY VOLTAGE (RMS)	117	150	235	VOLTS
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE EACH PLATE	15	40	100	OHMS
DC OUTPUT CURRENT PER PLATE	65	65	65	MA.

SIMILAR TYPE REFERENCE: Without pilot lamp electrically equivalent to type 50Y8.