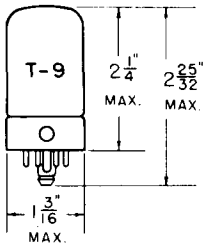
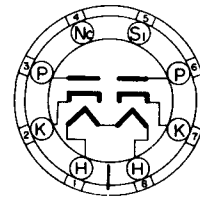
TUNG-SOL

TWIN DIODE



COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.15 AMPERE
AC OR DC



BOTTOM VIEW

GLASS BULB

LOCKING-IN 8-PIN BASE

THE 7A6 IS DESIGNED FOR USE AS A DIODE DETECTOR, AVC RECTIFIER AND POWER RECTIFIER IN LOW DRAIN APPLICATIONS. TWO SEPARATE RECTIFIER SECTIONS ALLOW CONSIDERABLE FLEXIBILITY IN THEIR APPLICATION. ITS RATINGS AND ELECTRICAL CHARACTERISTICS ARE SIMILAR TO THOSE OF THE 6H6, 6H6GT/G.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210.

MAXIMUM AC VOLTAGE PER PLATE (RMS)	150	VOLTS
MAXIMUM HEATER-CATHODE POTENTIAL	330	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	420	VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT PER PLATE	48	MA.
TUBE VOLTAGE DROP AT 16 MA. DC PER PLATE	11.0	VOLTS

DIRECT INTERELECTRODE CAPACITANCES

WITH EXTERNAL SHIELD CONNECTED TO CATHODE

PLATE TO PLATE	0.05 MAX.	μμf

CONTINUED NEXT PAGE

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PLATE
1478
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1944

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CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HALF-WAVE RECTIFIER

HEATER VOLTAGE	6.4	6.3	VOLTS
AC VOLTAGE PER PLATE (RMS)	117	150	VOLTS
MAXIMUM DC OUTPUT CURRENT PER PLATE	8.0	8.0	MA.
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE	15	40[A]	OHMS

VOLTAGE DOUBLER

	HALF-WAVE	FULL-WAVE	
HEATER VOLTAGE	6.3	6.3	VOLTS
AC VOLTAGE PER PLATE (RMS)	117	117	VOLTS
MAXIMUM DC OUTPUT CURRENT	8.0	8.0	MA.
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE	30	15	OHMS

[A] WHEN FILTER CONDENSERS LARGER THAN 40 MFDS ARE USED IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

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