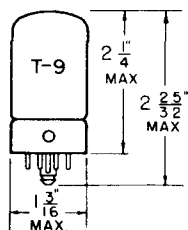


TUNG-SOL

DOUBLE-DIODE TRIODE



GLASS BULB

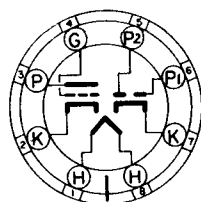
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 300 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN
8 PIN BASE

88F

THE 7K7 IS A DOUBLE DIODE HIGH-MU TRIODE UTILIZING THE LOCK-IN CONSTRUCTION. IT DIFFERS FROM THE USUAL DIODE TRIODE IN THAT IT HAS TWO SEPARATE CATHODES, ONE FOR THE TRIODE UNIT AND ONE FOR THE TWO DIODE UNITS.

DIRECT INTERELECTRODE CAPACITANCES

WITH RMA SHIELD #308 CONNECTED TO CATHODE

GRID TO PLATE: (G TO P)	1.7	$\mu\mu\text{f}$
INPUT: G TO (H+K)	2.4	$\mu\mu\text{f}$
OUTPUT: P TO (H+K)	2	$\mu\mu\text{f}$
DIODE 1 TO GRID: (P ₁ TO G) MAX.	0.25	$\mu\mu\text{f}$
DIODE 2 TO GRID: (P ₂ TO G) MAX.	0.25	$\mu\mu\text{f}$
DIODE CATHODE TO DIODE 1: (K TO P ₁) MAX.	2	$\mu\mu\text{f}$
DIODE CATHODE TO DIODE 2: (K TO P ₂) MAX.	2	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PLATE DISSIPATION	1	WATT
MINIMUM EXTERNAL GRID BIAS	0	VOLTS
MAXIMUM DIODE DROP FOR 1.5 MA. (EACH DIODE)	10	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.3	AMP.
PLATE VOLTAGE	250	VOLTS
GRID VOLTAGE	-2	VOLTS
PLATE CURRENT	2.3	MA.
PLATE RESISTANCE (APPROX.)	44 000	OHMS
TRANSCONDUCTANCE	1 600	μMHOS
AMPLIFICATION FACTOR	70	

