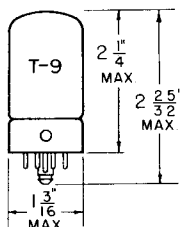


TUNG-SOL

PENTODE VOLTAGE AMPLIFIER

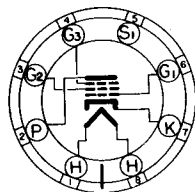


COATED UNIPOTENTIAL CATHODE
6.3 VOLTS 0.3 AMPERE
AC OR DC

IN CIRCUITS WHERE THE CATHODE IS NOT DIRECTLY CONNECTED TO THE HEATER, THE POTENTIAL DIFFERENCE BETWEEN HEATER AND CATHODE SHOULD BE KEPT AS LOW AS POSSIBLE.

GLASS BULB

ANY MOUNTING POSITION



BOTTOM VIEW

LOCKING-IN 8-PIN BASE

THE 7H7 IS A TRIPLE GRID SEMI-REMOTE CUT-OFF HIGH TRANSCONDUCTANCE AMPLIFIER USING THE LOCK-IN CONSTRUCTION. IT IS SIMILAR TO TYPES 6SD7GT AND 6SG7 AND IS USEFUL AS AN RF OR IF AMPLIFIER.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	150	VOLTS
MAXIMUM PLATE DISSIPATION	2.5	WATTS
MAXIMUM SCREEN DISSIPATION	0.5	WATT
MINIMUM EXTERNAL GRID BIAS VOLTAGE	0	VOLTS

DIRECT INTERELECTRODE CAPACITANCES

WITH MB-308 TUBE SHIELD CONNECTED TO CATHODE

GRID TO PLATE	0.007	μmf
INPUT	8.0	μmf
OUTPUT	7.0	μmf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
SCREEN VOLTAGE	100	150	VOLTS
GRID VOLTAGE	1.0	-2.5	VOLTS
SUPPRESSOR AND INTERNAL SHIELD (CONNECTED TO CATHODE AT SOCKET)	0	0	VOLTS
PLATE RESISTANCE (APPROX.)	0.25	0.8	MEGOHM
TRANSCONDUCTANCE	3 800	3 800	μMHOS
PLATE CURRENT	8.2	9.5	MA.
SCREEN CURRENT	3.3	3.5	MA.
GRID VOLTAGE FOR TRANSCONDUCTANCE = 35 μMHOS (APPROX.)	-12	-19	VOLTS

SIMILAR TYPE REFERENCE: Somewhat similar to types 6SD7GT and 6SG7.