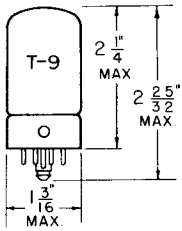
TUNG-SOL

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

BOTTOM VIEW

LOCKING-IN 8-PIN BASE

ANY MOUNTING POSITION

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 M8-210

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 M8-308 TUBE SHIELD CONNECTED TO CATHODE

GRID TO PLATE	0.007	μμf
INPUT	8.0	μμf
OUTPUT	7.0	μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 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.

PRINTED IN U.S.A.

PLATE 1595
JULY 31, 1945