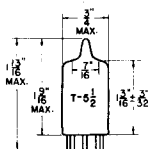


TUNG-SOL

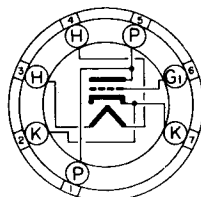
DETECTOR, AMPLIFIER, OSCILLATOR

MIDGET TYPE

COATED UNIPOTENTIAL CATHODE



HEATER ^A
 6.3 VOLTS 0.15 AMPERE
 AC OR DC



GLASS BULB

BOTTOM VIEW

MINIATURE BUTTON 7 PIN BASE ^B

TYPE 9002 IS A MIDGET TYPE TRIODE INTENDED FOR USE AS A DETECTOR, AMPLIFIER AND OSCILLATOR AT ULTRA HIGH FREQUENCIES.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM PLATE DISSIPATION	1.6	WATTS

DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

GRID TO PLATE	1.4	μmf
INPUT	1.2	μmf
OUTPUT	1.1	μmf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	90	135	180	250	VOLTS
GRID VOLTAGE	-2.5	-3.75	-5	-7	VOLTS
AMPLIFICATION FACTOR	25	25	25	25	
PLATE RESISTANCE	14700	13200	12500	11400	OHMS
TRANSCONDUCTANCE	1700	1900	2000	2200	μMHOS
PLATE CURRENT	2.5	3.5	4.5	6.3	MA.

^A WHEN THE CATHODE IS NOT DIRECTLY CONNECTED TO THE HEATER, THE POTENTIAL DIFFERENCE BETWEEN HEATER AND CATHODE SHOULD BE KEPT AS LOW AS POSSIBLE. UNDER NO CONDITIONS SHOULD IT EXCEED 100 VOLTS.

^B THE CENTER HOLE IN SOCKETS DESIGNED FOR THIS BASE PROVIDES FOR THE POSSIBILITY THAT THIS TUBE TYPE MAY BE MANUFACTURED WITH THE EXHAUST-TUBE TIP AT THE BASE END. FOR THIS REASON IT IS RECOMMENDED THAT IN EQUIPMENT EMPLOYING THIS TUBE TYPE, NO MATERIAL BE PERMITTED TO OBSTRUCT THE SOCKET HOLE.