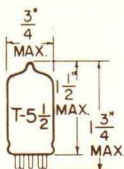


TUNG-SOL

PENTODE

MINIATURE TYPE



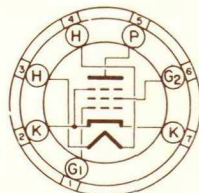
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 175 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

7BD

GLASS BULB

THE 6AJ5 IS A SHARP CUT-OFF PENTODE VOLTAGE AMPLIFIER IN THE MINIATURE CONSTRUCTION. IT IS CHARACTERIZED BY LOW HEATER POWER REQUIREMENTS, HIGH TRANSCONDUCTANCE, LOW CAPACITANCES, AND HIGH INPUT IMPEDANCE. ITS LOW TRIODE-MU ADAPTS IT TO SERVICE WHERE THE PLATE AND SCREEN SUPPLY POTENTIALS ARE LOW OR TO APPLICATIONS AS A SMALL POWER AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD ^A	WITHOUT SHIELD	
GRID TO PLATE: (G_1 TO P) MAX.	0.02	0.03	μuf
INPUT: G_1 TO (H+K+ G_2 + G_3 +1S)	4	4	μuf
OUTPUT: P TO (H+K+ G_2 + G_3 +1S)	2.8	2.1	μuf

^A EXTERNAL SHIELD #316 CONNECTED TO PINS #2 AND #7.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	180	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	180	VOLTS
MAXIMUM GRID #2 VOLTAGE	140	VOLTS
MAXIMUM PLATE DISSIPATION	1.7	WATTS
MAXIMUM GRID #2 DISSIPATION	0.5	WATT
MAXIMUM POSITIVE DC GRID #1 VOLTAGE	0	VOLTS
MAXIMUM CATHODE CURRENT	18	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	175	MA.
PLATE VOLTAGE	28	VOLTS
GRID #2 VOLTAGE	28	VOLTS
GRID #1 VOLTAGE	-1	VOLT
PLATE RESISTANCE (APPROX.)	0.1	MEGOHM
TRANSCONDUCTANCE	2 500	μMHOS
PLATE CURRENT	2.7	MA.
GRID #2 CURRENT	1	MA.
GRID #1 VOLTAGE FOR $I_b = 10 \mu\text{A}$.	-4.5	VOLTS

→ INDICATES A CHANGE OR ADDITION.

6AJ5

