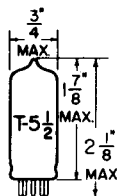


TUNG-SOL

TRIODE

MINIATURE TYPE



GLASS BULB

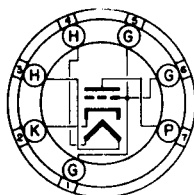
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.4 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

789

THE 6J4 IS A TRIODE USING THE MINIATURE CONSTRUCTION AND INTENDED FOR USE PRIMARILY AS A GROUND-GRID UHF AMPLIFIER AT FREQUENCIES UP TO APPROXIMATELY 500 MEGACYCLES. ITS DESIGN FEATURES AN AMPLIFICATION FACTOR OF 55 COMBINED WITH AN EXTREMELY HIGH TRANSCONDUCTANCE OF 12000 MICROMHOS, AND PERMITS GROUND-GRID OPERATION WITH A HIGH SIGNAL-TO-NOISE RATIO. IT MAY ALSO BE USED IN CONVENTIONAL TRIODE CIRCUITS WITH UNGROUNDED GRID.

DIRECT INTERELECTRODE CAPACITANCES

GROUNDED GRID OPERATION

Ck-p SHIELD TIED TO GROUND
INPUT Ck TO (G+H+SHIELD)
OUTPUT Cp TO (G+H+SHIELD)
Ch-k SHIELD TIED TO GROUND

WITH SHIELD^A

0.12	μμf
7.5	μμf
3.9	μμf
3.7	μμf

^A EXTERNAL SHIELD #316.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	150	VOLTS
MAXIMUM PLATE DISSIPATION	2.25	WATTS
MAXIMUM PLATE CURRENT	20	MA.
MAXIMUM GRID CIRCUIT RESISTANCE (CATHODE BIAS)	0.25	MEGOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER - GROUND-GRID

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	0.4	0.4	AMP.
PLATE VOLTAGE	100	150	VOLTS
CATHODE RESISTOR ^B	100	100	OHMS
PLATE CURRENT	10	15	MA.
TRANSCONDUCTANCE	11 000	12 000	μMHOS
AMPLIFICATION FACTOR	55	55	

^B NOT RECOMMENDED FOR FIXED BIAS OPERATION.

→ INDICATES A CHANGE OR ADDITION.

