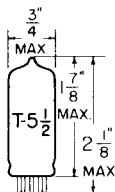


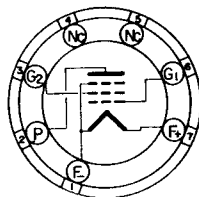
TUNG-SOL

PENTODE MINIATURE TYPE



GLASS BULB

COATED FILAMENT
1.4 VOLTS 50 MA.
DC
ANY MOUNTING POSITION



BOTTOM VIEW
MINIATURE BUTTON
7 PIN BASE

58Z

THE IW4 IS A POWER AMPLIFIER PENTODE USING THE MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE IN LOW DRAIN BATTERY OPERATED RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES

	WITHOUT SHIELD	WITH SHIELD ^A	
GRID TO PLATE: (G ₁ TO P)	0.12	0.1	μμf
INPUT: G ₁ TO (F&G ₃ +G ₂)	3.4	3.6	μμf
OUTPUT: P TO (F&G ₃ +G ₂)	3.6	7	μμf

^A EXTERNAL SHIELD #316 CONNECTED TO PIN 1.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

FILAMENT VOLTAGE	1.4	VOLTS
MAXIMUM PLATE VOLTAGE	110	VOLTS
MAXIMUM GRID #2 VOLTAGE	110	VOLTS
MAXIMUM CATHODE CURRENT	6	MA.
MAXIMUM GRID #1 CIRCUIT RESISTANCE	1	MEGOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

FILAMENT VOLTAGE	1.4	1.4	1.4	1.4	VOLTS
FILAMENT CURRENT	50	50	50	50	MA.
PLATE VOLTAGE	45	62.5	67.5	90	VOLTS
GRID #2 VOLTAGE	45	62.5	67.5	90	VOLTS
GRID #1 VOLTAGE	-4.5	-5	-6	-9	VOLTS
PEAK AF GRID #1 SIGNAL VOLTAGE	4.5	5	6	9	VOLTS
PLATE RESISTANCE	0.4	0.3	0.3	0.25	MEGOHM
TRANSCONDUCTANCE	650	875	875	925	μMHOS
ZERO SIGNAL PLATE CURRENT	1.6	3.8	3.8	5	MA.
ZERO SIGNAL GRID #2 CURRENT	0.2	0.8	0.8	1	MA.
LOAD RESISTANCE	20 000	16 000	16 000	12 000	OHMS
TOTAL HARMONIC DISTORTION	10	10	10	10	PERCENT
POWER OUTPUT	35	90	100	200	MW.

SIMILAR TYPE REFERENCE: Ratings and characteristics identical to type 1LB4 and to pentode section of 1DBGT.