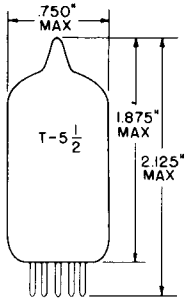
TUNG-SOL

PENTODE



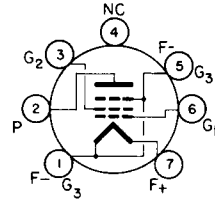
GLASS BULB
MINIATURE BUTTON
7 PIN BASE E7-1
OUTLINE DRAWING
JEDEC 5-2

COATED FILAMENT

FOR

AF AND RF APPLICATIONS

ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 6AR

THE 1U4 IS A MINIATURE FILAMENTARY TYPE SHARP CUT-OFF PENTODE AMPLIFIER. IT IS INTENDED FOR RF OR AF APPLICATION WHERE CONSERVATION OF BATTERY POWER IS IMPORTANT.

DIRECT INTERELECTRODE CAPACITANCES

WITH OR WITHOUT SHIELD 316 CONNECTED TO PIN 1 OR 5

GRID TO PLATE: G1 TO P (MAX.)	0.01	pf
INPUT: G1 TO (F+G2+G3+I.S.)	3.6	pf
OUTPUT: P TO (F+G2+G3+I.S.)	7.5	pf

FILAMENT CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	1.4 VOLTS	50	MA.
FILAMENT SUPPLY LIMITS:			
VOLTAGE OPERATION: 1.5 VOLT DRY CELL SUPPLY	1.1 TO 1.6		VOLTS
OTHER BATTERY SUPPLIES OR POWER LINE	1.1 TO 1.5		VOLTS

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	→ 120	VOLTS
GRID 2 VOLTAGE	→ 120	VOLTS
POSITIVE DC GRID 1 VOLTAGE	→ 0	VOLTS
CATHODE CURRENT	→ 6.6	MA.

CONTINUED ON FOLLOWING PAGE

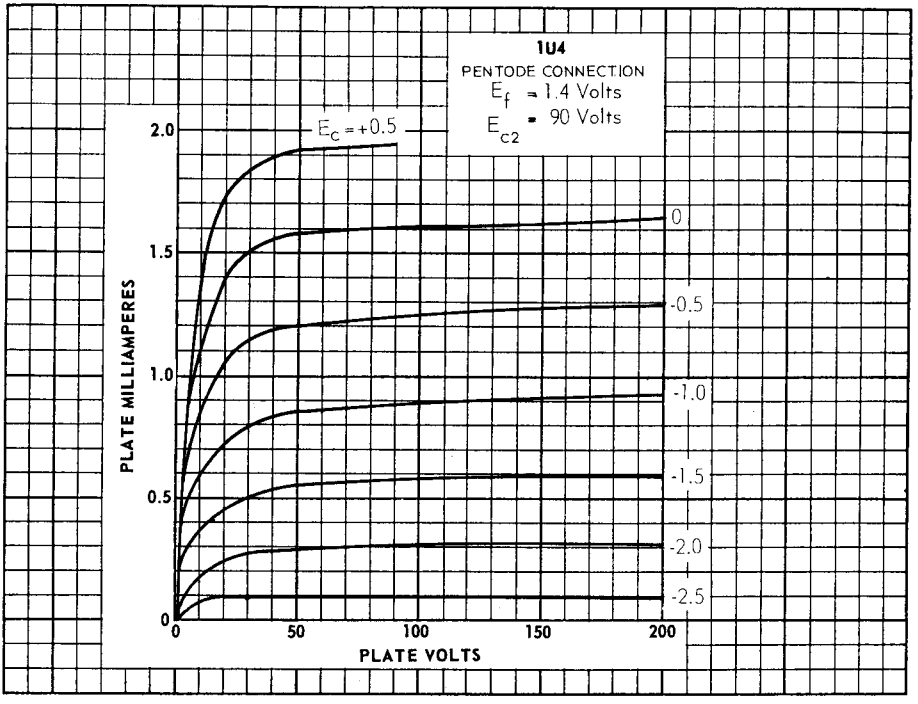
→ INDICATES A CHANGE.

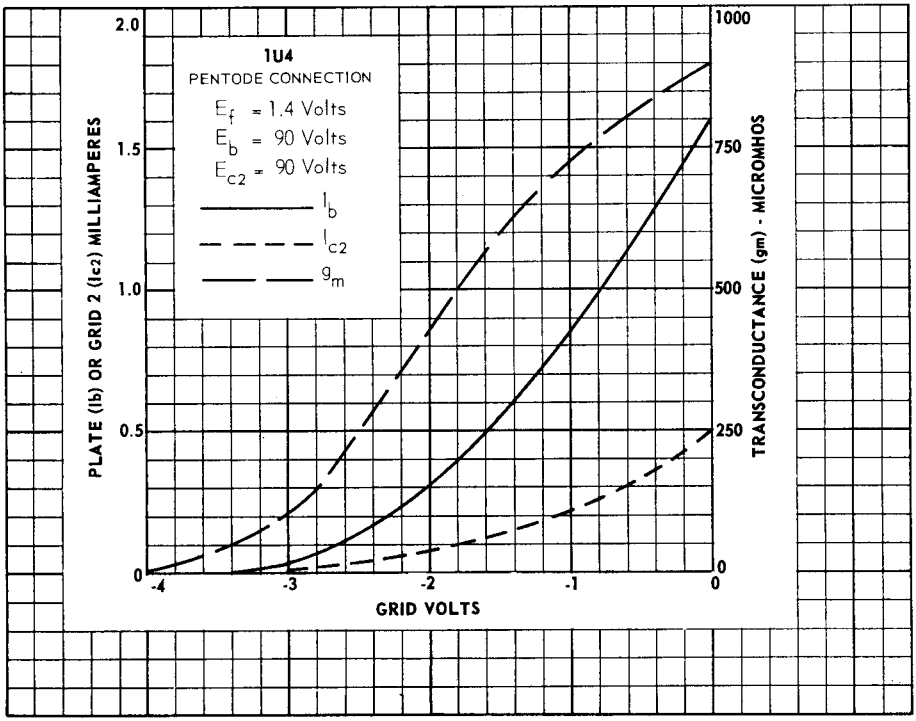
TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CHARACTERISTICS

PLATE VOLTAGE	90	VOLTS
GRID 2 VOLTAGE	90	VOLTS
GRID 1 VOLTAGE	0	VOLTS
PLATE RESISTANCE (APPROX.)	1.0	MEGOHM
TRANSCONDUCTANCE	900	μMHOS
PLATE CURRENT	1.6	MA.
GRID 2 CURRENT	0.50	MA.
GRID 1 VOLTAGE FOR Ib= 10 μA. (APPROX)	-4	VOLTS





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