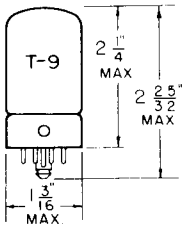
TUNG-SOL

PENTODE

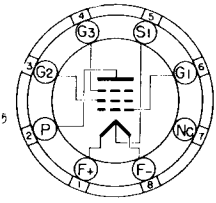
COATED FILAMENT



GLASS BULB

SERIES FILAMENT	PARALLEL FILAMENT
E_f APPLIED BETWEEN PINS 2 & 8	E_f APPLIED BETWEEN PIN 5 AND PINS 1 & 8 TIED TOGETHER
E_{g1} REFERRED TO PIN 8	E_{g1} REFERRED TO PIN 5
2.8 VOLTS 50 MA.	1.4 VOLTS 100 MA.

AC OR DC



BOTTOM VIEW

LOCK-IN 8 PIN BASE
7CJ

A SHUNTING RESISTOR MUST BE CONNECTED BETWEEN PINS 5 AND 8 FOR SERIES-FILAMENT OPERATION. ITS VALUE SHOULD BE SUCH THAT THE VOLTAGE ACROSS THE SHUNTED SECTION IS EQUAL TO THE VOLTAGE BETWEEN PINS 5 AND 8. AN ADDITIONAL SHUNTING RESISTOR MAY BE NECESSARY BETWEEN PINS 1 AND 8 IF OTHER TUBES USED IN SERIES-FILAMENT ARRANGEMENT CONTRIBUTE TO THE FILAMENT CURRENT OF THE 3E6.

ANY MOUNTING POSITION

THE 3E6 IS A HIGH TRANSCONDUCTANCE SHARP CUT-OFF FILAMENTARY TYPE RF PENTODE IN THE LOCK-IN CONSTRUCTION.

DIRECT INTERELECTRODE CAPACITANCES

WITH RMA SHIELD #308 CONNECTED PIN #8

GRID TO PLATE: (G_1 TO P)	0.007	μμf
INPUT: G_1 TO ($F+G_2+G_3+IS$)	5.5	μμf
OUTPUT: P TO ($F+G_2+G_3+IS$)	8	μμf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

	PARALLEL FILAMENT	SERIES FILAMENT	
FILAMENT VOLTAGE	1.4	2.8	VOLTS
MAXIMUM PLATE VOLTAGE	110	110	VOLTS
MAXIMUM GRID #2 VOLTAGE	110	110	VOLTS
MAXIMUM CATHODE CURRENT	6[A]	12	VOLTS

[A] FOR EACH 1.4 VOLT FILAMENT SECTION.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

	PARALLEL FILAMENT	SERIES FILAMENT	
FILAMENT VOLTAGE	1.4	2.8	VOLTS
FILAMENT CURRENT	100	50	MA.
PLATE VOLTAGE	90	90	VOLTS
GRID #3 VOLTAGE	PIN #4 CONNECTED TO PIN #8 AT SOCKET		
GRID #2 VOLTAGE	90	90	VOLTS
GRID #1 VOLTAGE[B]	0	0	VOLTS
GRID #1 RESISTOR	2	2	MEGOHMS
PLATE RESISTANCE (APPROX.)	0.25	0.325	MEGOHM
TRANSCONDUCTANCE	2 000	1 700	μMHOS
PLATE CURRENT	4.2	2.9	MA.
GRID #2 CURRENT	1.7	1.2	MA.
GRID #1 VOLTAGE (APPROX.) FOR I_b = 10 μA.	-5.5	-4	VOLTS

[B] GRID RETURN TO NEGATIVE END OF FILAMENT THROUGH A 2 MEGOHM RESISTOR

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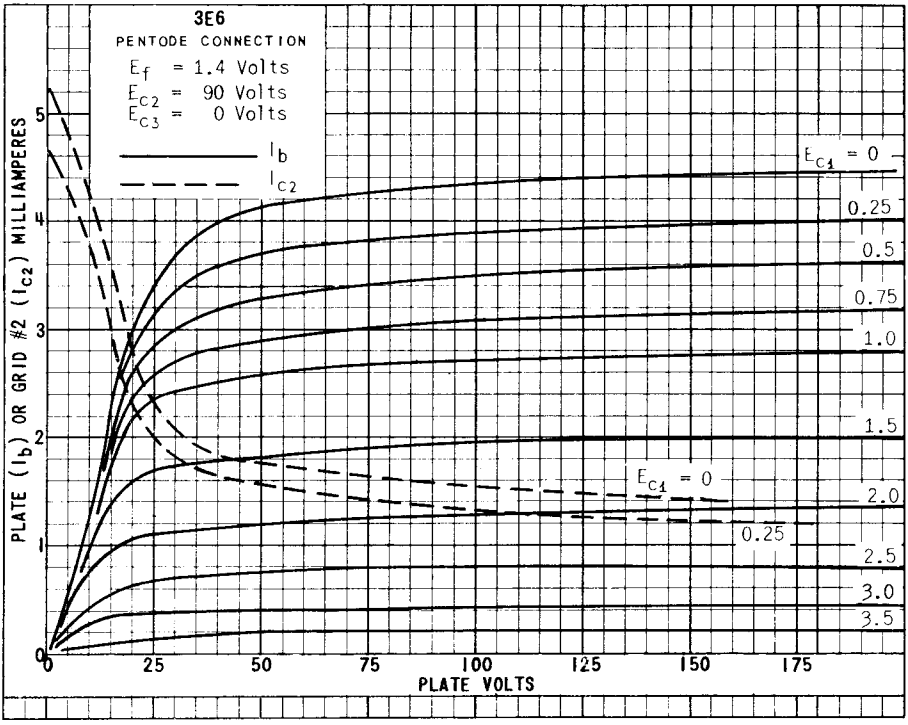
3E6



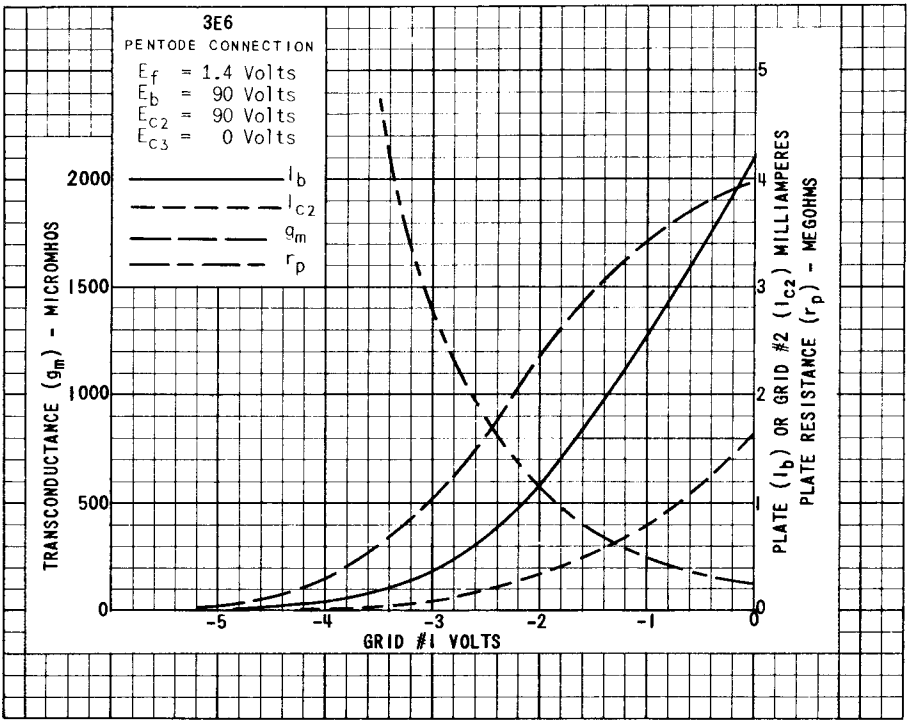


PLATE 2207

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