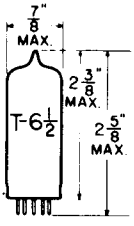
TUNG-SOL

BEAM PENTODE

MINIATURE TYPE



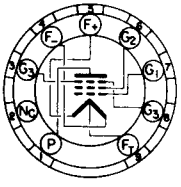
GLASS BULB

COATED FILAMENT

SERIES FILAMENT	PARALLEL FILAMENT
E_f APPLIED BETWEEN PINS #4 AND #5	E_f APPLIED BETWEEN PIN #9 AND PINS #4 & #5 TIED TOGETHER.
E_{g1} REFERRED TO PIN #4	E_{g1} REFERRED TO PIN #9
5.0 VOLTS 230 MA.	2.5 VOLTS 460 MA.

DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON 9 PIN BASE

9L

THE 5A6 IS A MINIATURE FILAMENTARY TYPE PENTODE RF POWER AMPLIFIER, INTENDED FOR SERVICE WHERE MODERATE AMOUNTS OF RF POWER ARE DESIRED IN PORTABLE EQUIPMENT. ITWILL DELIVER 3 WATTS OF RF POWER WITH LOW DRIVING POWER AT 70 MEGACYCLES.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD	WITHOUT SHIELD	
GRID TO PLATE: (G_1 TO P) MAX.	0.10	0.15	μμf
INPUT: G_1 TO ($F+G_2+G_3$)	8.5	8.5	μμf
OUTPUT: P TO ($F+G_2+G_3$)	9.5	6	μμf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

CLASS B OR CLASS C AMPLIFIER

FILAMENT VOLTAGE (±15%)	2.5	5.0	VOLTS
MAXIMUM PLATE VOLTAGE	150		VOLTS
MAXIMUM GRID #3 VOLTAGE	0		VOLTS
MAXIMUM GRID #2 VOLTAGE	150		VOLTS
MAXIMUM NEGATIVE GRID #1 VOLTAGE	−75		VOLTS
MAXIMUM PLATE DISSIPATION	5		WATTS
MAXIMUM GRID #2 POWER INPUT	2		WATTS
MAXIMUM PLATE CURRENT	40		MA.
MAXIMUM GRID #1 CURRENT	3		MA.
MAXIMUM FREQUENCY FOR MAXIMUM PLATE INPUT POWER	100		MC

CONTINUED ON FOLLOWING PAGE

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PLATE 2270
NOV. 1, 1949

TUNG-SOL

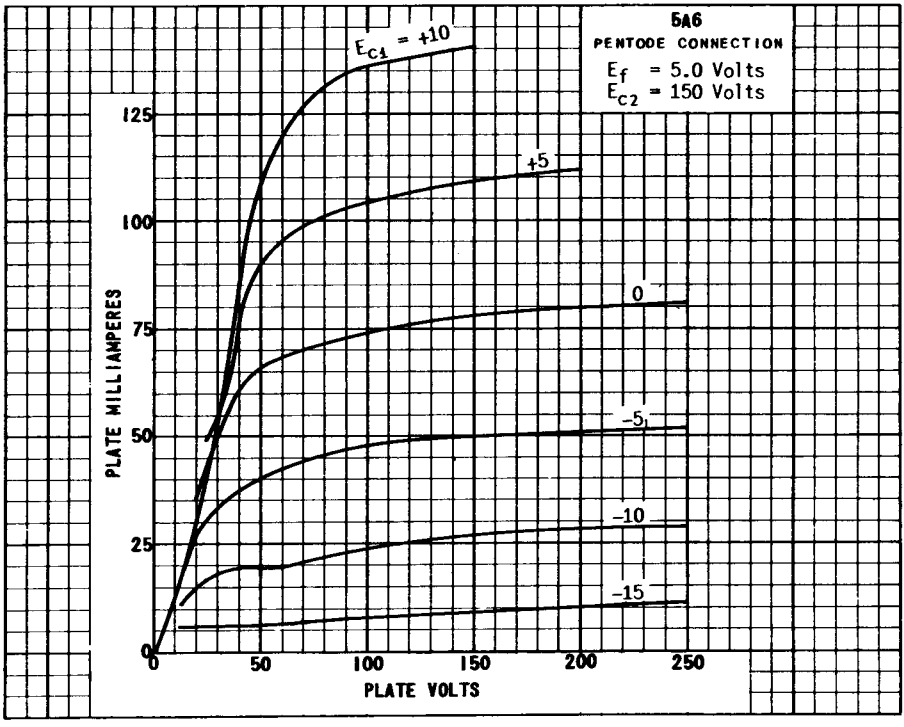
CONTINUED FROM PRECEDING PAGE

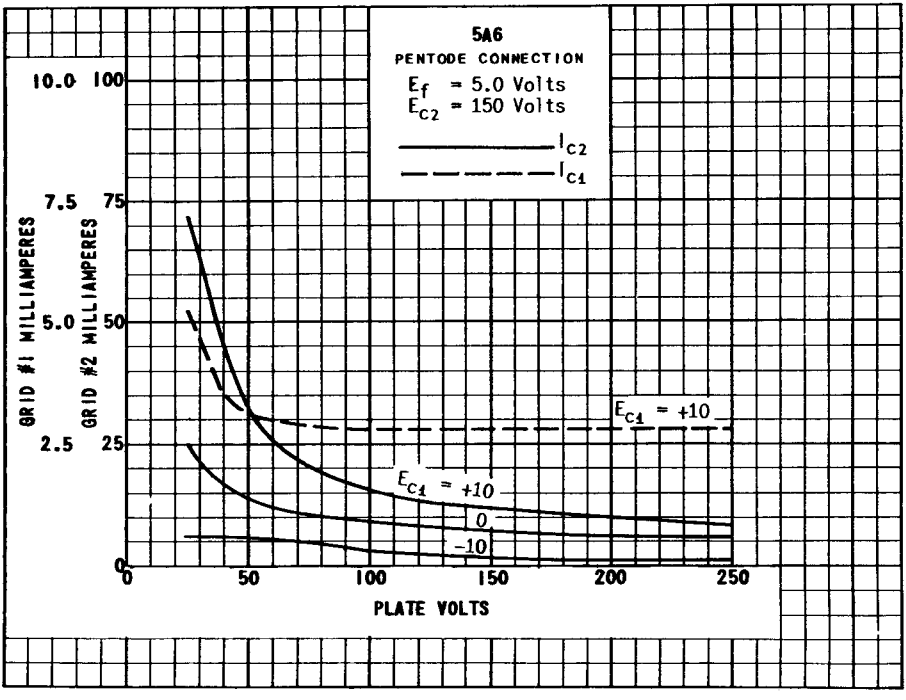
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

RF AMPLIFIER AT 70 MC

	CLASS B		CLASS C		
FILAMENT VOLTAGE	2.5	5.0	2.5	5.0	VOLTS
FILAMENT CURRENT	460	230	460	230	MA.
DC PLATE VOLTAGE	150		150		VOLTS
GRID #3 VOLTAGE	0		0		VOLTS
DC GRID #2 VOLTAGE	150		150		VOLTS
DC GRID #1 VOLTAGE	-15		-24		VOLTS
PEAK RF GRID #1 VOLTAGE	23		35		VOLTS
GRID #2 RESISTOR	1 500		0		OHMS
GRID #1 RESISTOR	15 000		20 000		OHMS
DC PLATE CURRENT	40		40		MA.
DC GRID #2 CURRENT	7		11		MA.
DC GRID #1 CURRENT	1		1.2		MA.
GRID #1 DRIVING POWER (APPROX.)	60		100		MW.
USEFUL POWER OUTPUT	2.8		3.1		WATTS
TRIODE AMPLIFICATION FACTOR (APPROX. AT I_b = 30 MA.)		6.8			

PLATE 2271
NOV. 1, 1949





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