

Description and Rating

GENERAL DESCRIPTION

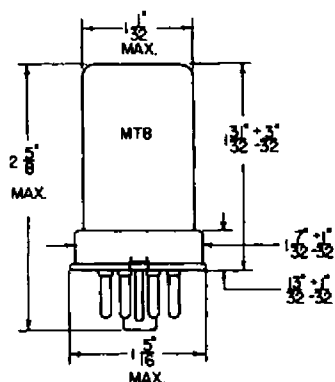
Cathode:	Coated Unipotential
Heater Voltage (A-C or D-C)	12.6 Volts
Heater Current	0.15 Ampere
Envelope:	MT-8, Metal Shell
Base:	86-23, Small Wafer Octal 5-Pin

Mounting Position: Any
Direct Interelectrode Capacitances: *

Grid to Plate	3.4	$\mu\mu f$
Input	3.4	$\mu\mu f$
Output	3.6	$\mu\mu f$

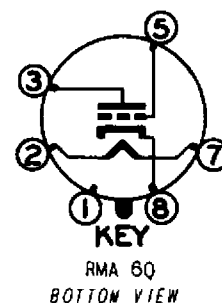
TERMINAL CONNECTIONS

BASING DIAGRAM



RMA 8-1

- Pin 1 - Snell
Pin 2 - Heater
Pin 3 - Plate
Pin 5 - Grid
Pin 7 - Heater
Pin 8 - Cathode



MAXIMUM RATINGS

Plate Voltage	300	Volts
Positive D-C Grid Voltage	0	Volts
Plate Dissipation	2.5	Watts
Total Cathode Current	20	Milliamperes
D-C Heater-Cathode Voltage	90	Volts

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage	90	250	Volts
Grid Bias Voltage **.	0	-8	Volts
Amplification Factor	20	20	
Plate Resistance	6700	7700	Ohms
Transconductance	3000	2600	Micromhos
Plate Current	10	9.0	Milliamperes

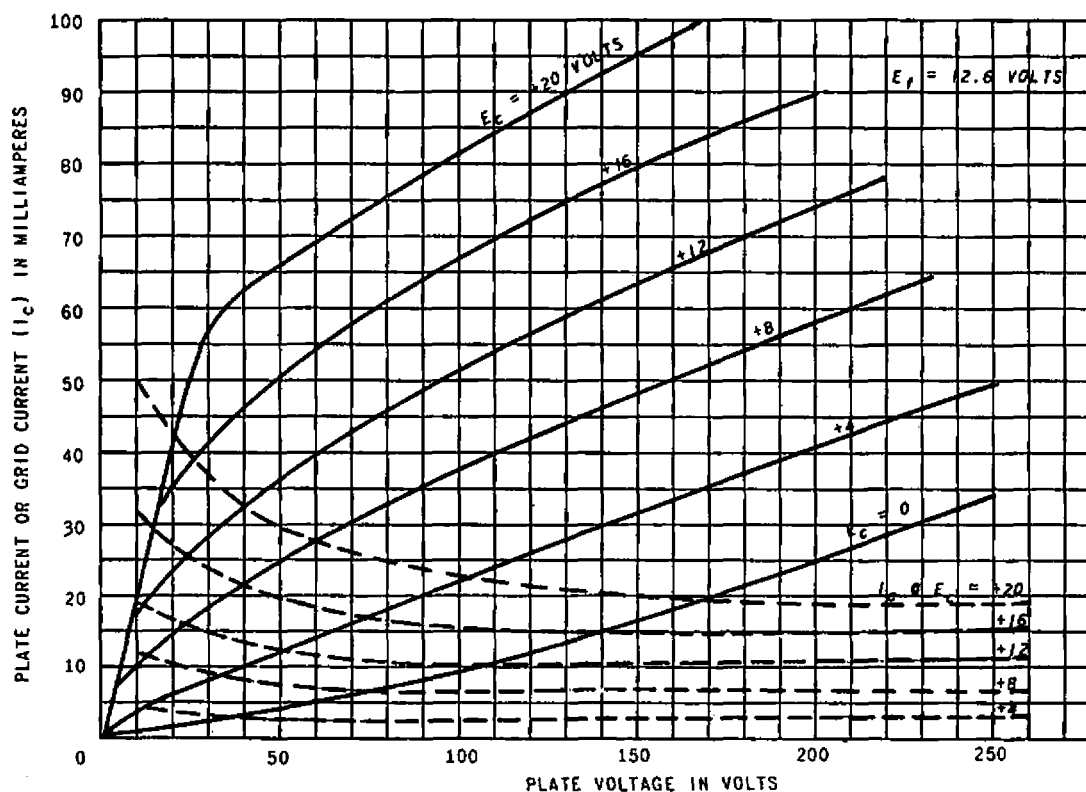
* The d-c resistance in the grid circuit under maximum rated conditions should not exceed 1.0 megohm.

CLASS A RESISTANCE-COUPLED AMPLIFIER

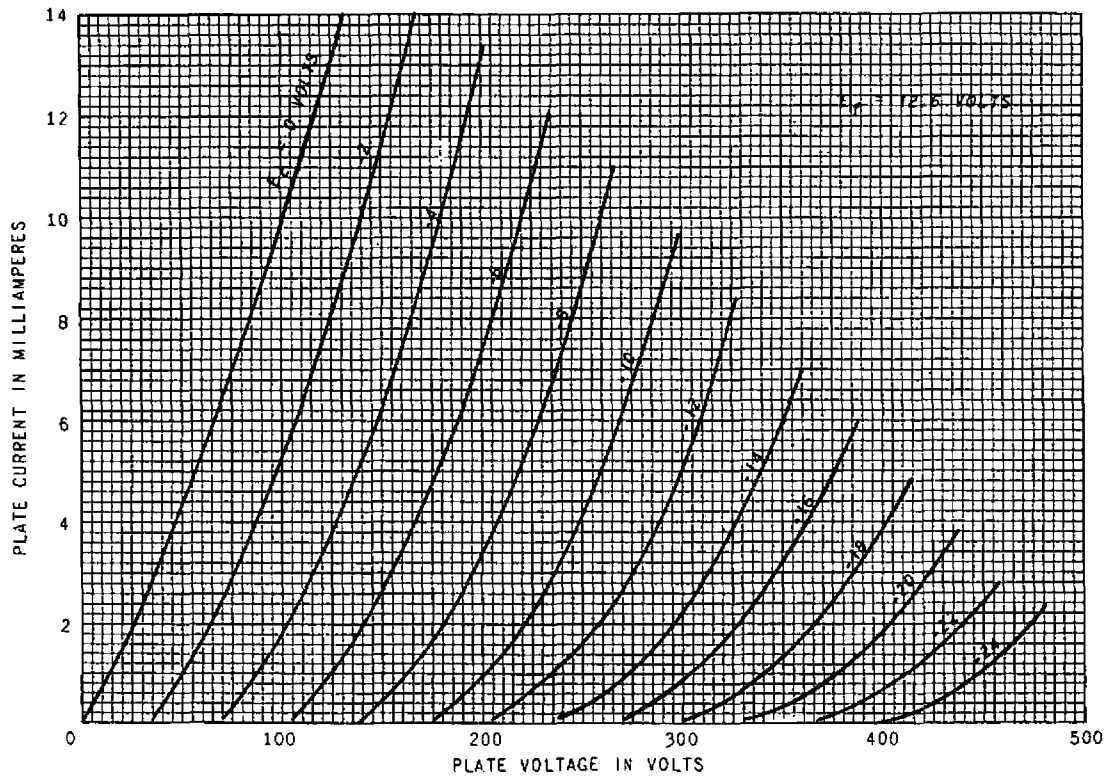
Note: Coupling capacitors (C) should be selected to give desired frequency response. R_k should be adequately by-passed.

Notes: 1. E_o is maximum RMS voltage output for five percent (5%) total harmonic distortion. 2. Gain measured at 2.0 volts RMS output. 3. For zero-bias data, generator impedance is negligible. *Value of R_{g1} is non-critical.

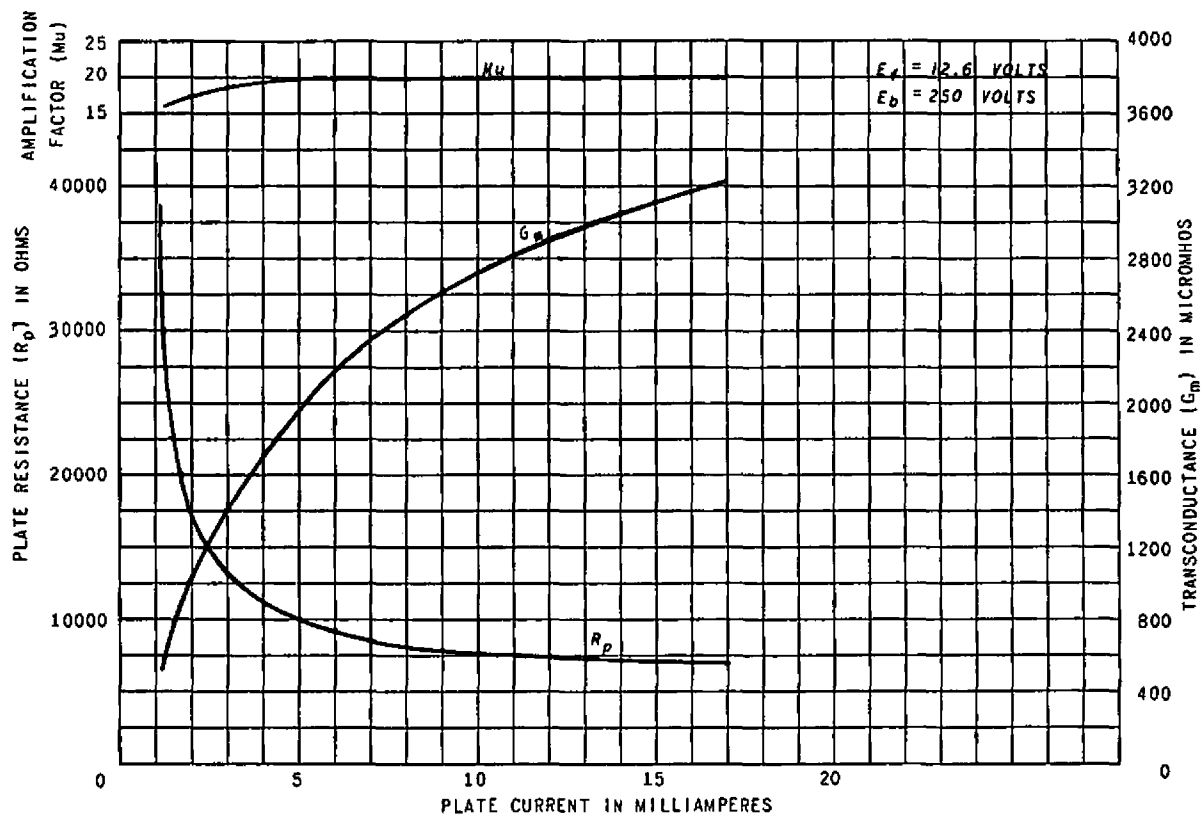
AVERAGE PLATE CHARACTERISTICS



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Tube Divisions, Electronics Department

GENERAL  **ELECTRIC**

Schenectady, N. Y.