Electronic TUBE
K KEN-RAD

43

Description and Rating

POWER-AMPLIFIER PENTODE

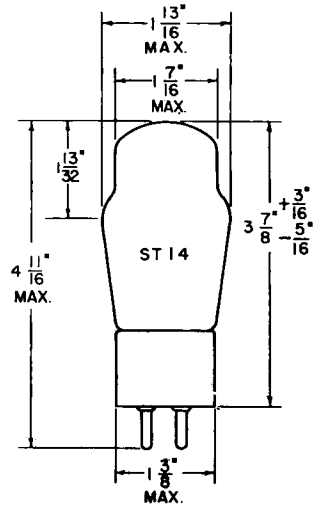
GENERAL DESCRIPTION

Principal Application: The 43 is a glass type power amplifier pentode designed especially for use in the output stage of a-c/d-c receivers. The 43 is identical in electrical characteristics to the type 25A6 tube.

Cathode:	Coated Unipotential	
Heater Voltage (A-C or D-C)	25.0	Volts
Heater Current	0.3	Ampere

Envelope:	ST-14 Glass
Base:	A6-12 Medium 6-Pin, Phenolic
Mounting Position:	Any

PHYSICAL DIMENSIONS

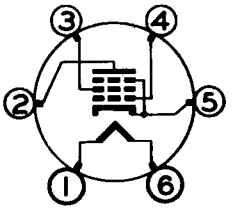


RMA 14-1

TERMINAL CONNECTIONS

Pin 1 - Heater
Pin 2 - Plate
Pin 3 - Screen
Pin 4 - Grid
Pin 5 - Cathode
Pin 6 - Heater

BASING DIAGRAM



RMA 6B

BOTTOM VIEW

MAXIMUM RATINGS

	Design Center	Absolute	
Plate Voltage	160	176	Volts
Screen Voltage	135	149	Volts
Plate Dissipation	5.3	5.9	Watts
Screen Dissipation	1.9	2.1	Watts

CHARACTERISTICS AND TYPICAL OPERATION

CLASS A_1 AMPLIFIER

Plate Voltage	95		135		160			Volts
Screen Voltage	95		135		120			Volts
Grid Voltage*	-15		-20		-18			Volts
Peak A-F Grid Voltage	15		20		18			Volts
Zero-Signal Plate Current	20		37		33			Milliampere
Maximum-Signal Plate Current	22		39		36			Milliampere
Zero-Signal Screen Current	4		8		6.5			Milliampere
Maximum-Signal Screen Current	8		14		12			Milliampere

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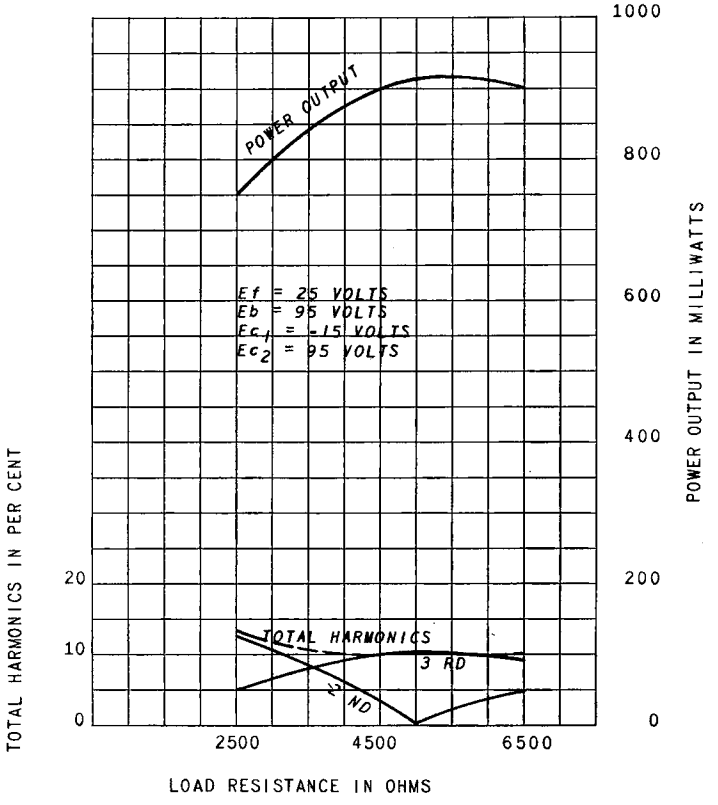
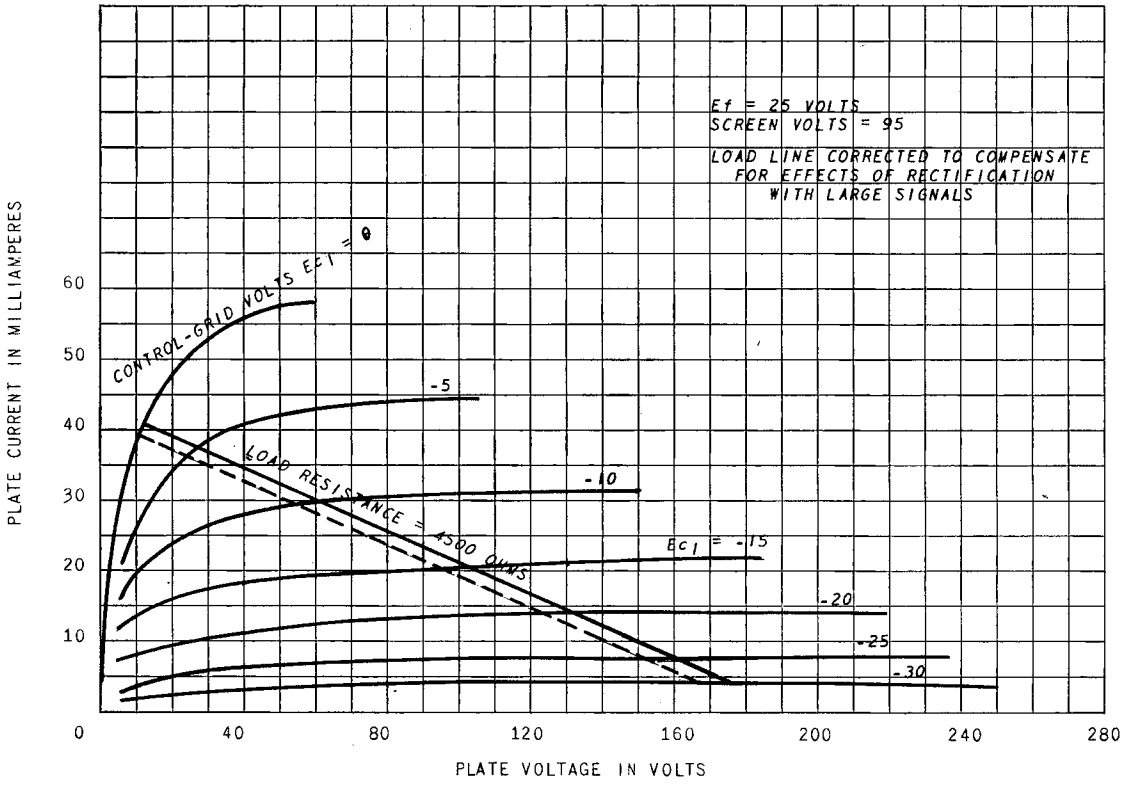
Plate Resistance	45000	35000	42000	Ohms
Transconductance	2000	2450	2375	Micromhos
Load Resistance	4500	4000	5000	Ohms
Total Harmonic Distortion	11	9	10	Per Cent
Maximum-Signal Power Output	0.9	2.0	2.2	Watts

* *The d-c resistance in the grid circuit should not exceed 0.5 megohm with cathode bias. With fixed bias, the d-c resistance may be as high as 0.5 megohm for the 95 volt condition, but should be limited to 0.1 megohm for the 135 volt and 160 volt conditions.*

AVERAGE CHARACTERISTICS



AVERAGE PLATE CHARACTERISTICS



Electronics Department

GENERAL ELECTRIC

Schenectady, N. Y.

ET-T463

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