



6B4-G

Description and Rating

POWER-AMPLIFIER TRIODE

GENERAL DESCRIPTION

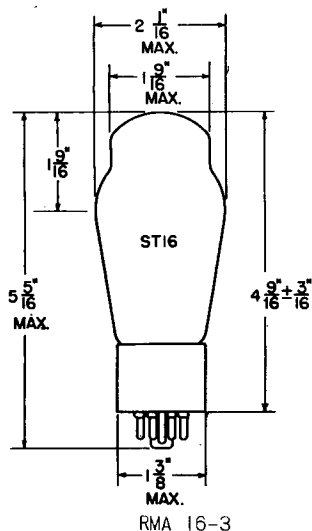
Principal Application: The 6B4-G is a glass triode power amplifier tube designed particularly for service in the power output stages of storage battery

Cathode: Coated Filament
 Heater Voltage (A-C or D-C) 6.3 Volts
 Heater Current 1.0 Ampere

operated or a-c receivers. Its ratings and electrical characteristics are identical to those of the type 6A3.

Envelope: ST-16 Glass
 Base: B8-6 Medium Shell Octal 8-Pin Phenolic
 Mounting Position: Any

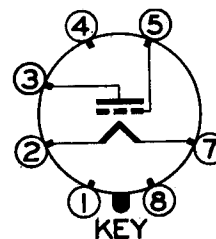
PHYSICAL DIMENSIONS



TERMINAL CONNECTIONS

- Pin 1 - No Connection
- Pin 2 - Filament
- Pin 3 - Plate
- Pin 4 - No Connection
- Pin 5 - Grid
- Pin 6 - No Connection
- Pin 7 - Filament
- Pin 8 - No Connection

BASING DIAGRAM



MAXIMUM RATINGS

	Design Center	Absolute	
Plate Voltage	325	358	Volts

CHARACTERISTICS AND TYPICAL OPERATION

CLASS A AMPLIFIER - SINGLE TUBE

Plate Voltage	250	Volts
Grid Voltage*	-45	Volts
Plate Current	60	Milliamperes
Amplification Factor	4.2	
Plate Resistance	800	Ohms
Transconductance	5250	Micromhos
Load Resistance	2500	Ohms
Second Harmonic Distortion	5	Per Cent
Power Output	3.2	Watts

* Grid voltage referred to mid-point of a-c operated filament.

CLASS AB AMPLIFIER- 2 TUBE PUSH-PULL

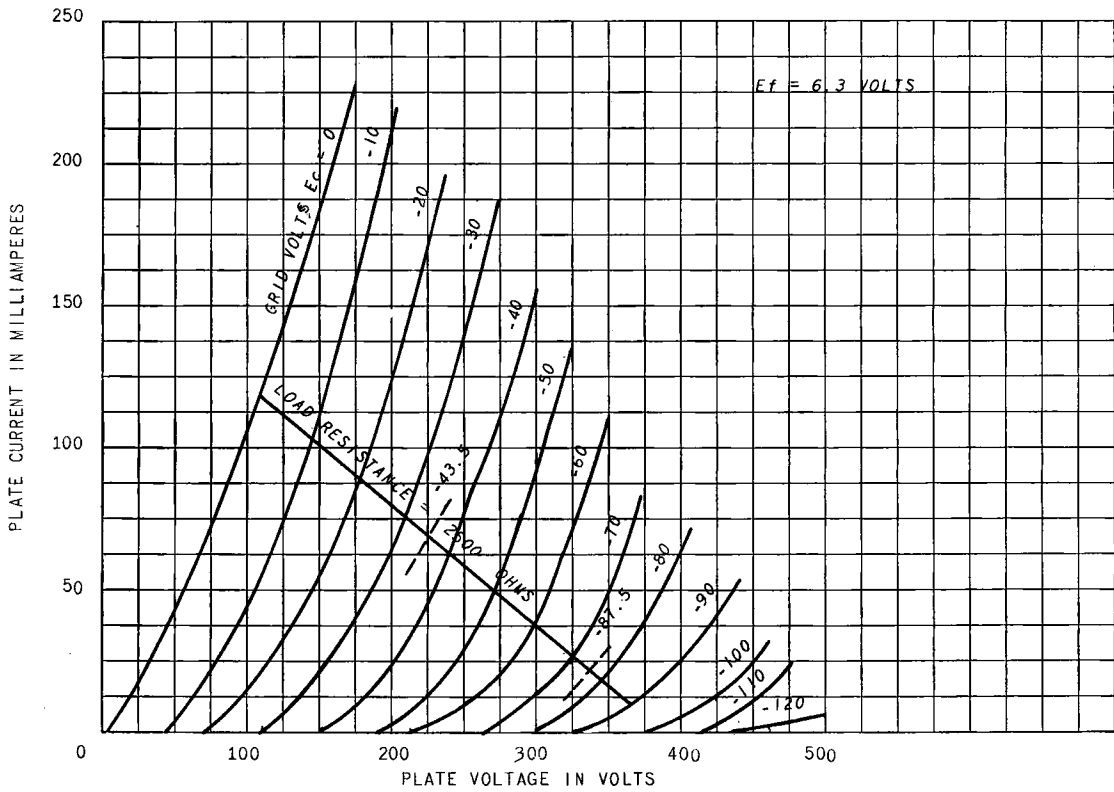
Fixed Bias

Cathode-Bias

Plate Voltage	325	325	Volts
Grid Voltage*	-68	-	Volts
Cathode-Bias Resistor	-	850	Ohms
Zero-Signal Plate Current	80	80	Milliamperes
Load Resistance (Per Tube)	750	1250	Ohms
Effective Load Resistance (Plate to Plate)	3000	5000	Ohms
Total Harmonic Distortion	2.5	5.0	Per Cent
Power Output	15	10	Watts

* Grid voltage referred to mid-point of a-c operated filament.

AVERAGE PLATE CHARACTERISTICS



TUBE DEPARTMENT



Schenectady 5, N. Y.