



3LF4

# BEAM POWER AMPLIFIER

3LF4

## GENERAL DATA

### Electrical:

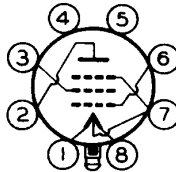
Filament, Coated:

Filament Arrangement	Series*	Parallel**	
Voltage. . . . .	2.8	1.4	.. dc volts
Current. . . . .	0.05	0.1	.... amp

### Mechanical:

Mounting Position. . . . .	Any
Maximum Overall Length . . . . .	2-25/32"
Maximum Seated Length . . . . .	2-1/4"
Maximum Diameter . . . . .	1-3/16"
Bulb . . . . .	T-9
Base . . . . .	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW . . . . .	6BB

- Pin 1 - Filament
- Pin 2 - Plate
- Pin 3 - Grid No.2
- Pin 4 - No Connection
- Pin 5 - No Connection



- Pin 6 - Grid No.1
- Pin 7 - Filament Mid-Tap, Grid No.3
- Pin 8 - Filament Plug - Base Shell

## AF POWER AMPLIFIER - Class A<sub>1</sub>

### Maximum Ratings, Design-Center Values:

Filament Arrangement	Series*	Parallel**	
PLATE VOLTAGE. . . . .	110 max.	110 max.	volts
GRID-No.2 (SCREEN) VOLTAGE . . . . .	110 max.	110 max.	volts
TOTAL CATHODE CURRENT. . . . .	6 max.	12 max.	ma

Typical Operating Conditions and Characteristics are the same as those for Type 3Q5-GT.

Curves shown under Type 1Q5-GT also apply to the 3LF4 with filaments connected in parallel.

\* A resistor of 270 ohms must be used in parallel with the negative section of the filament (Pins 7 and 8) in order to insure that the value of 6.0 Ma. total cathode current for each 1.4-volt section of the filament is not exceeded. When other tubes in series filament circuits contribute to the filament current of the 3LF4, an additional shunt resistor between pins 1 and 8 will be required.

\*\* For parallel operation, connect pins 1 and 8 to the positive of the voltage supply and pin 7 to the negative.