3LF4
BEAM POWER AMPLIFIER

GENERAL DATA

Electrical:

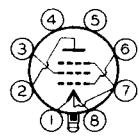
Filament, Coated:

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	6EB

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 A1

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.