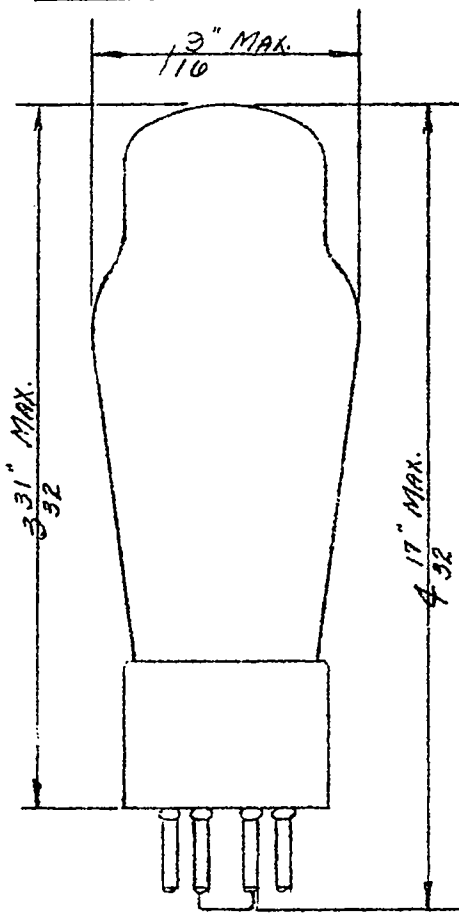


# TECHNICAL DATA

#110  
3/30/37



## ARCTURUS

TYPE 25L6-G

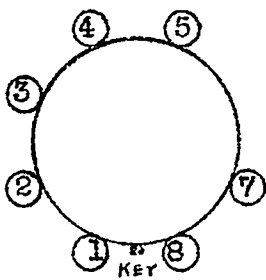
BEAM POWER AMPLIFIER

HEATER TYPE

VOLTAGE 25.0  
CURRENT 0.3 amp.

Single Tube Operating Conditions and Characteristics As Class 'A' Amplifier.

Plate Voltage (max)	110	110
Screen Grid Voltage (max)	110	110
Control Grid Voltage	-7.5	-7.5
Peak A.F. Grid Voltage	7.5	7.5
Load Resistance	1500 ohms	2000 ohms
Zero Signal Plate Current	49.0 m.a.	49.0 m.a.
Max. Signal Plate Current	54.0 m.a.	50.0 m.a.
Zero Signal Screen Current	4.0 m.a.	4.0 m.a.
Max. Signal Screen Current	9.0 m.a.	11.0 m.a.
Amplification Factor	82	32
Plate Resistance (approx.)	10000 ohms	10000 ohms
Transconductance	8200	8200
Distortion:		
Total Harmonic	11 %	10 %
Second Harmonic	10 %	3.5 %
Third Harmonic	4 %	3.5 %
Power Output	2.1 watts	2.2 watts



- Bottom View:
- 1 - No connection
  - 2 - Heater
  - 3 - Plate
  - 4 - #2 Grid
  - 5 - #1 Grid
  - 6 - Heater
  - 7 - Heater
  - 8 - Cathode

NOTE: The value of the grid resistor should not exceed 0.1 megohm when fixed bias is employed. A 0.5 megohm resistor may be used with self bias, but this value should not be exceeded.