

# TECHNICAL DATA

RMA Release # 170

March 31, 1939

## ARCTURUS

TYPE 50L6GT MIDGET

BEAM POWER AMPLIFIER

TENTATIVE DATA

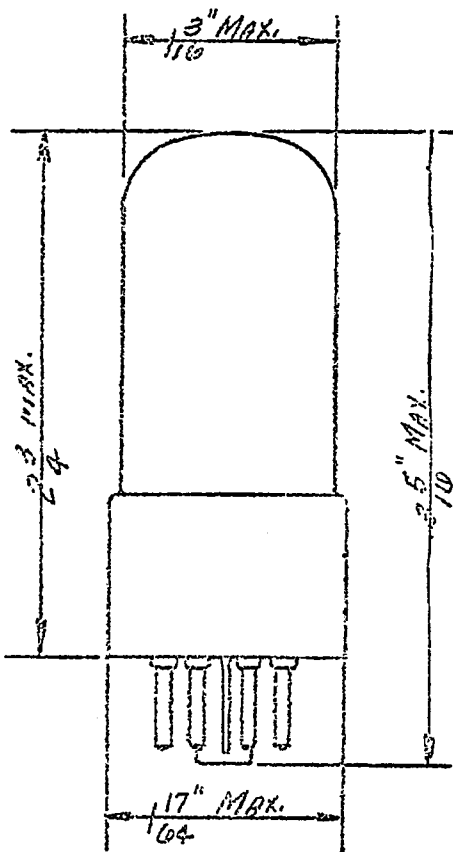
Heater Voltage	50.0	Volts
Heater Current	.150	Ampere

OPERATING CHARACTERISTICS

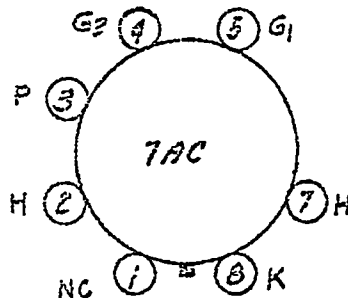
Plate Voltage	110	Volts
Screen Grid Voltage	110	Volts
Control Grid Voltage	-7.5	Volts
Plate Current (Zero Signal)	45	ma.
Screen Grid Current (Zero Signal)	4	ma.
Transconductance	6800	micromhos
Amplification Factor	63	
Plate Resistance	10,000	ohms
Signal Voltage (Peak)	7.5	Volts
Load Resistance	2000	ohms
Power Output	1.75	Watts
Total Harmonic Distortion	10.0	%

APPLICATION

Type 50L6GT is one of a new line of tubes designed primarily for series heater operation in AC-DC receivers. Through the use of a small resistance connected in series with the heaters the need for plug-in resistors or line cords is eliminated. Only half the heater power for the entire receiver is required compared to designs using .3 ampere types.



*PIN ARRANGEMENT*



*BOTTOM VIEW*

3-27-39