TECHNICAL DATA

RMA Release # 161

ARCTURUS

TYPE 32L7GT MIDGET

RECTIFIER - BEAM POWER AMPLIFIER

Heater Voltage	32.5	Volts
Heater Current	0.3	Ampere

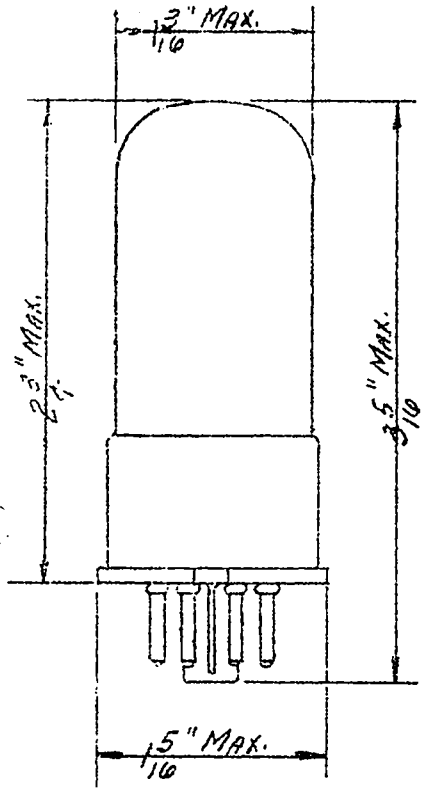
TENTATIVE OPERATING CHARACTERISTICS

POWER AMPLIFIER SECTION

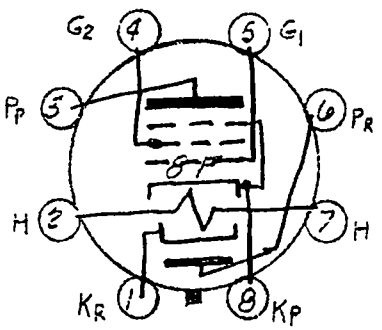
Plate Voltage	90	90	Volts
Screen Grid Voltage	90	90	Volts
Control Grid Voltage	-5	-7	Volts
Plate Current	38	27	ma.
Screen Grid Current	3.0	2.0	ma.
Plate Resistance	15,000	17,000	ohms
Transconductance	6000	4800	micromhos
Amplification Factor	90	81	
Load Resistance	2600	2600	ohms
Power Output	0.8	1.0	watt
Total Harmonic Distortion	5.3	9.0	%
Second Harmonic	2.2	6.5	%
Third Harmonic	4.6	5.5	%

RECTIFIER SECTION

A.C. Plate Voltage	125	Volts (max)
D.C. Output Current	60	ma. (max)



PIN ARRANGEMENT



BOTTOM VIEW

APPLICATION

Type 32L7GT has been designed primarily for use in small AC-DC receivers wherein very limited space is available. It may be used in conventional half-wave high-vacuum rectifier and beam power amplifier circuits. The grid circuit resistance should not exceed 0.5 megohm.

1-13-39

from RMA release #161, Feb. 15, 1939

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RMA RELEASE NO. 161A

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ERRATA

The designation descriptive of the basing of the 32L7(GT) was given in error in RMA Release No. 161 of February 15, 1939, as 8F. The basing designation applicable to this tube type is, in fact, 8Z.

RMA DATA BUREAU

By