

TECHNICAL DATA

ARCTURUS

TYPE 12J7GT MIDGET

PENTODE DETECTOR AMPLIFIER

Heater Voltage	12.5 Volts
Heater Current	.150 Amperes

OPERATING CHARACTERISTICS

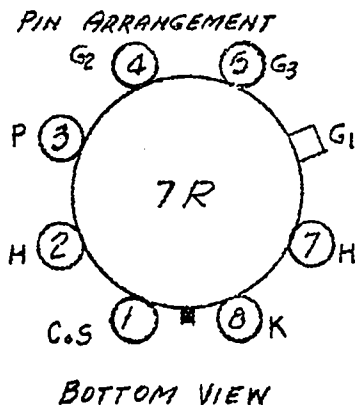
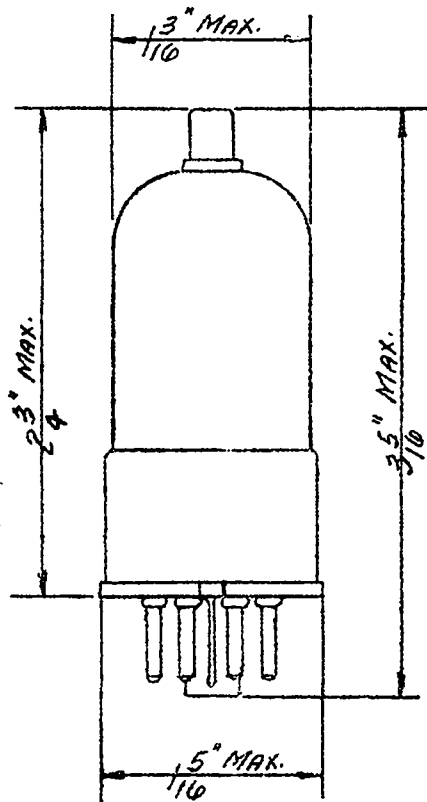
Plate Voltage	100	250 Volts
Screen Grid Voltage	100	100 Volts
Control Grid Voltage	-3	-3 Volts
Plate Current	2.0	2.0 ma.
Screen Grid Current	0.5	0.5 ma.
Plate Resistance	1.0	1.5 megohm
Transconductance	1185	1225 micromhos
Amplification Factor	1185	1500

DIRECT INTERELECTRODE CAPACITANCES

Grid to plate	.005 μ f (max.)
Input	4.3 μ f
Output	9.0 μ f

APPLICATION

Type 12J7GT 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.



1-4-39

JOINT ELECTRON DEVICE ENGINEERING COUNCIL



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Announcement of Electron Device Type Reregistration

Release No. 156C (Tentative)*

April 25, 1960

The Joint Electron Device Engineering Council announced the registration of the following electron device designation

12J7GT

on January 7, 1939, Release No. 156, under the sponsorship of Arcturus Radio Company, Newark, New Jersey.

The Radio Corporation of America, Harrison, New Jersey, now proposes reregistration based on the following data:

<u>ITEM</u>	<u>AS REGISTERED</u>	<u>AS PROPOSED</u>
Under <u>Ratings</u> :		
Suppressor	none	Connect to cathode at socket
Maximum Screen Voltage	125 max	See J5-C4-2 volts
Maximum Screen Dissipation	0.1 max	delete watt
Maximum Screen Input:		
For Screen Voltages up to 150 V	none	0.1 watt
For Screen Voltages between 150 & 300 V	none	See J5-C4-2
Peak Heater-Cathode Voltage		
Heater Negative with respect to Cathode	none	90 max volts
Heater Positive with respect to Cathode	none	90 max volts

*Unless valid objection to this reregistration is lodged with the EIA Standards Laboratory prior to May 25, 1960, this reregistration will be made and this information will be considered "FINAL" WITHOUT FURTHER NOTICE!