

TECHNICAL DATA

ARCTURUS

TYPE 12Q7GT NIDCET

DUPLEX-DIODE HIGH-MU TRIODE

Heater Voltage	12.5	Volts
Heater Current	.150	Ampere

OPERATING CHARACTERISTICS

Plate Voltage	100	250	Volts
Control Grid Voltage	0	-3	Volts
Plate Current	2.3	1.1	ma.
Plate Resistance	43,000	58,000	Ohms
Transconductance	1400	1200	Micromhos
Amplification Factor	60	70	

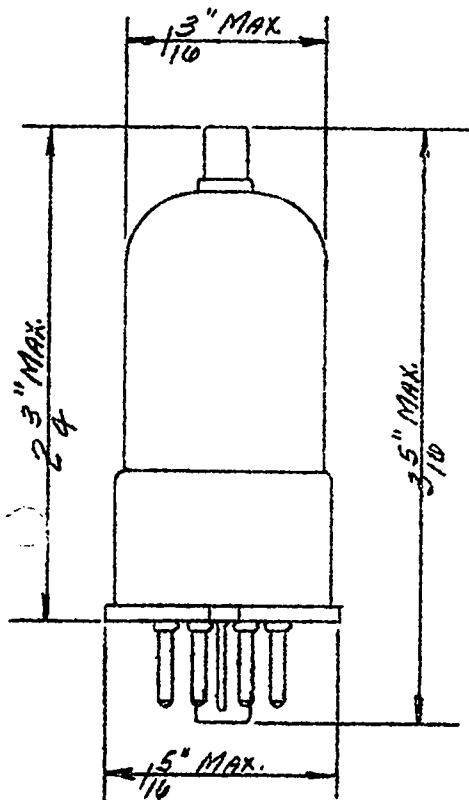
DIRECT INTERELECTRODE CAPACITANCES

Grid to plate	1.7	uuf
Input	1.7	uuf
Output	3.5	uuf

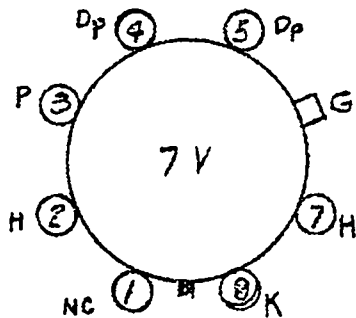
APPLICATION

Type 12Q7GT 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.

1-5-39



PIN ARRANGEMENT



BOTTOM VIEW

JOINT ELECTRON DEVICE ENGINEERING COUNCIL



2260 SALMON TOWER
11 WEST FORTY-SECOND STREET
NEW YORK 36, N. Y.
TELEPHONE: LONGACRE 5-0717

Announcement of Electron Device Type Reregistration

Release No. 156B (Tentative)*

March 29, 1960

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

12Q7GT

on January 7, 1939, Release No. 156, under the sponsorship of Arcturus Radio Tube 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>
<u>Direct Interelectrode Capacitances*</u>		
Triode grid to #2 diode plate (max.)	none	0.001 μmf
Triode grid to #1 diode plate (max.)	none	0.001 μmf
#2 diode plate to H + K + pin 1	none	1.7 μmf
#1 diode plate to H + K + pin 1	none	2.2 μmf

* Without external shield.

*Unless valid objection to this reregistration is lodged with the EIA Standards Laboratory prior to April 29, 1960, this reregistration will be made and this information will be considered "FINAL" WITHOUT FURTHER NOTICE!