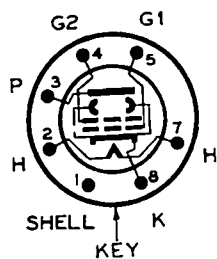




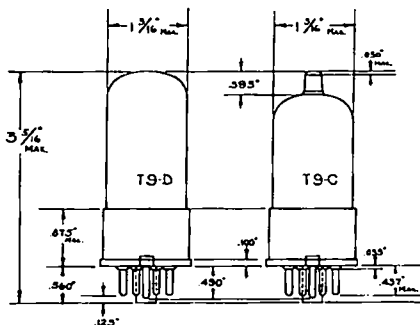
GENERAL DESCRIPTION

Application: The Hytron 25L6GT is a cathode type beam-power amplifier tube intended for use in the output stage of "transformerless" AC-DC receivers. Designed along lines similar to the original beam-power type 6L6, this tube provides high power output with high power sensitivity and high efficiency. The 25L6GT is a glass tube equipped with an octal base and has characteristics identical to the glass type 25L6G.

Physical Characteristics: Bulb T-9D



Bottom View



RATING AND CHARACTERISTICS

Heater:

Voltage	25.0 Volts AC or DC
Current	.3 Ampere

Note: Voltage between heater and cathode should be kept at a minimum if direct connection is not possible.

AMPLIFIER OPERATION - SINGLE TUBE
(CLASS A)

Plate Voltage	110	110	110	110	Volts Max.
Screen Voltage	110	110	110	110	Volts Max.
Grid Voltage	-7.5	-7.5	-8	-8	Volts
Plate Current (Zero Signal)	49	49	45	45	Milliamperes
Plate Current (Max. Signal)	55	51	52	48	Milliamperes
Screen Current (Zero Signal)	4	4	3.5	3.5	Milliamperes
Screen Current (Max. Signal)	8	10.3	8	10.5	Milliamperes
Signal Input Voltage	5.3	5.3	5.65	5.65	Volts RMS
Plate Resistance	10,000	10,000	10,000	10,000	Ohms
Mutual Conductance	8,200	8,200	8,000	8,000	Micromhos
Load Resistance	1,500	2,000	1,500	2,000	Ohms

Distortion:

Total Harmonic	11	10	13	11.5	Per Cent
Second Harmonic	10	3.5	12	4.5	Per Cent
Third Harmonic	4	8.5	4.5	9.5	Per Cent
Power Output	2.1	2.2	2.2	2.2	Watts

from RMA release #134, April 11, 1938



JOINT ELECTRON TUBE ENGINEERING COUNCIL



650 SALMON TOWER
11 WEST FORTY-SECOND STREET
NEW YORK 36, N.Y.
TELEPHONE: LONGACRE 5-3450

Announcement
of
Electron Device Type Reregistration

Release No. 134B (Tentative)*

February 25, 1957

The Joint Electron Tube Engineering Council announced the registration of the following JETEC tube type designation

25L6GT

on April 11, 1938 in Release No. 134 under the sponsorship of the Hytron Corporation, Salem, Massachusetts

The following modification is now proposed for reregistration by JTC-5, Committee on Receiving Tubes:

<u>ITEM</u>	<u>AS PROPOSED</u>
Heater-Cathode Voltage	
Heater Negative:	
DC + Peak	200 volts
Heater Positive:	
DC	100 volts
DC + Peak	200 volts

*Unless valid objection to this reregistration is lodged with the RETMA Engineering Office prior to March 25, 1957, this reregistration will be made and this information will be considered "FINAL" WITHOUT FURTHER NOTICE!