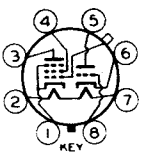
25B8-GT

TRIODE-PENTODE

Heater ■	Coated Unipotential Cathodes	
Voltage	25	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances: ○		
Triode Unit:		
Grid to Plate		2.2 μμf
Grid to Cathode		5.0 μμf
Plate to Cathode		4.6 μμf
Pentode Unit:		
Grid to Plate		0.02 μμf
Input		5.5 μμf
Output		10.0 μμf
Pentode Grid to Triode Grid		0.02 μμf
Pentode Plate to Triode Grid		0.075 μμf
Pentode Grid to Triode Plate		0.009 μμf
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4"
Maximum Diameter		1-5/16"
Bulb		T-9
Cap		Skirted Miniature
Base		Intermediate Shell Octal 8-Pin

Pin 1 - Pentode Cathode
Pin 2 - Heater
Pin 3 - Pentode Plate
Pin 4 - Pentode Screen
Pin 5 - Triode Plate
Pin 6 - Triode Cathode
Pin 7 - Heater
Pin 8 - Triode Grid
Cap - Pentode Grid



BOTTOM VIEW (8T)

TRIODE UNIT

Typical Operation and Characteristics:		
Plate	100	volts
Grid	-1	volt
Amp. Fact.	112	
Plate Res.	75000	ohms
Transcond.	1500	μmhos
Grid Bias for Plate Cur. Cut-Off (approx.)	-2.5	volts
Plate Current	0.6	ma.

PENTODE UNIT

Typical Operation and Characteristics:		
Plate	100	volts
Screen	100	volts
Grid	-3	volts
Plate Res.	185000	ohms
Transcond.	2000	μmhos
Grid Bias for Transcond. of 2 μmhos	-41	volts
Plate Cur.	7.6	ma.
Screen Cur.	2	ma.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

○ Values are approximate.

May 1, 1941

TENTATIVE DATA

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.