

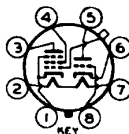


12B8-GT

TRIODE-PENTODE

12B8-GT

Heater	Coated Unipotential Cathodes	
Voltage	12.6	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances: ^o		
<i>Triode Unit:</i>		
Grid to Plate	2.3	$\mu\mu\text{f}$
Grid to Cathode	5.0	$\mu\mu\text{f}$
Plate to Cathode	6.3	$\mu\mu\text{f}$
<i>Pentode Unit:</i>		
Grid to Plate	0.015	$\mu\mu\text{f}$
Input	5.2	$\mu\mu\text{f}$
Output	9.6	$\mu\mu\text{f}$
Pentode Grid to Triode Grid	0.002	$\mu\mu\text{f}$
Pentode Plate to Triode Grid	0.078	$\mu\mu\text{f}$
Pentode Grid to Triode Plate	0.003	$\mu\mu\text{f}$
Maximum Overall Length	3-9/16"	
Maximum Seated Height	3"	
Maximum Diameter	1-5/16"	
Bulb	T-9	
Cap	Skirted Miniature	
Base	Intermediate Shell Octal 8-Pin	
Pin 1 - Pentode Cathode		Pin 6 - Triode Cathode
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Pentode Plate		Pin 8 - Triode Grid
Pin 4 - Pentode Screen		Cap - Pentode Grid
Pin 5 - Triode Plate		



BOTTOM VIEW (8T)

TRIODE UNIT

Typical Operation and Characteristics:

Plate	90	volts
Grid	0	volts
Amp. Fact.	90	
Plate Res.	37000	ohms
Transcond.	2400	μmhos
Grid Bias (approx.) for		
Plate-Cur. Cut-Off	-2.5	volts
Plate Current	2.8	ma.

PENTODE UNIT

Typical Operation and Characteristics:

Plate	90	volts
Screen	90	volts
Grid	-3	volts
Plate Res.	200000	ohms
Transcond.	1800	μmhos
Grid Bias for		
Transcond. of 2 μmhos	-42.5	volts
Plate Cur.	7.0	ma.
Screen Cur.	2.0	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.

JAN. 2, 1946 (9-48)

TUBE DEPARTMENT

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY