



12B8-GT

TRIODE-PENTODE

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Heater	Coated Unipotential Cathodes	
Voltage	12.6	a-c or d-c volts
Current	0.3	amp.

Direct Interelectrode Capacitances:^o

Triode Unit:

Grid to Plate	2.3	μf
Grid to Cathode	5.0	μf
Plate to Cathode	6.3	μf

Pentode Unit:

Grid to Plate	0.015	μf
Input	5.2	μf
Output	9.6	μf
Pentode Grid to Triode Grid	0.002	μf
Pentode Plate to Triode Grid	0.078	μf
Pentode Grid to Triode Plate	0.003	μf

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

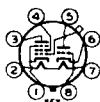
Pin 1 - Pentode Cathode

Pin 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	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.

^o Values are approximate.