



6AT8-A

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TRIODE-PENTODE CONVERTER

9-PIN MINIATURE TYPE

*Intended for use in equipment having
series heater-string arrangement*

The 6AT8-A is the same as the 6X8 except for the following items:

Heater, for Unipotential Cathode:

Voltage	6.3		ac or dc volts
Current	0.45		amp
Warm-up time (Average).	11		sec

For definition of heater warm-up time and method of determining it, see sheet HEATER WARM-UP TIME MEASUREMENT at front of this Section.

Direct Interelectrode Capacitances:

	<i>Without External Shield</i>	<i>With External Shield⁰</i>	
Triode Unit:			
Grid to plate	1.5	1.5	μf
Grid to cathode and heater.	2	2.4	μf
Plate to cathode and heater.	0.5	1	μf
Pentode Unit:			
Grid No.1 to plate.	0.025 max.	0.016 max.	μf
Grid No.1 to cathode, grid No.3, grid No.2, and heater.	4.5	4.7	μf
Plate to cathode, grid No.3, grid No.2, and heater.	0.9	1.6	μf
Pentode grid No.1 to triode plate.	0.05 max.	0.04 max.	μf
Pentode plate to triode plate	0.05 max.	0.007 max.	μf
Heater to cathode	6.5	6.5 [•]	μf

Pentode Unit Connected

as Triode: ■

Grid No.1 to plate and grid No.2	1.3	1.3	μf
Grid No.1 to cathode, grid No.3, and heater	3	3.3	μf
Plate and grid No.2 to cathode, grid No.3, and heater.	1.7	2.5	μf

⁰ With external shield JETEC No.315 connected to cathode, except as noted.

• With external shield JETEC No.315 connected to ground.

■ Grid No.3 connected to cathode, and grid No.2 connected to plate.

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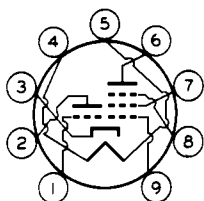


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TRIODE-PENTODE CONVERTER

Basing Designation for BOTTOM VIEW. 9DW

- Pin 1 - Triode Grid
- Pin 2 - Triode Plate
- Pin 3 - Cathode
- Pin 4 - Heater
- Pin 5 - Heater
- Pin 6 - Pentode Plate



- Pin 7 - Pentode
Grid No.2
- Pin 8 - Pentode
Grid No.3
- Pin 9 - Pentode
Grid No.1

PEAK HEATER-CATHODE VOLTAGE:

- Heater negative with respect to cathode . 200 max. volts
- Heater positive with respect to cathode . 200[▲] max. volts

[▲] The dc component must not exceed 100 volts.

Curves shown under Type 6X8 also apply to the 6AT8-A