



6AT8

# TRIODE-PENTODE CONVERTER

9-PIN MINIATURE TYPE

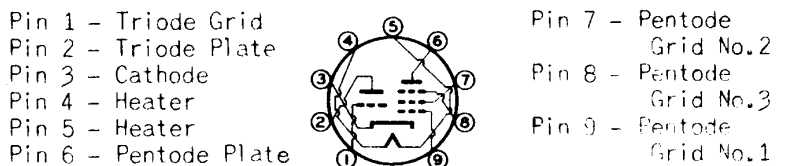
6AT8

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

Direct Interelectrode Capacitances:

	Without External Shield	With External Shield <sup>o</sup>	
<i>Triode Unit:</i>			
Grid to plate . . . . .	1.5	1.5	$\mu\mu\text{f}$
Grid to cathode and heater . . . . .	2	2.4	$\mu\mu\text{f}$
Plate to cathode and heater . . . . .	0.5	1	$\mu\mu\text{f}$
<i>Pentode Unit:</i>			
Grid No.1 to plate . .	0.025 max.	0.016 max.	$\mu\mu\text{f}$
Grid No.1 to cathode, grid No.3, grid No.2, and heater . . . . .	4.5	4.7	$\mu\mu\text{f}$
Plate to cathode, grid No.3, grid No.2, and heater . . . . .	0.9	1.6	$\mu\mu\text{f}$
Pentode grid No.1 to triode plate . . . . .	0.05 max.	0.04 max.	$\mu\mu\text{f}$
Pentode plate to triode plate . . . . .	0.05 max.	0.007 max.	$\mu\mu\text{f}$
Heater to cathode . . . .	6.5	6.5 <sup>•</sup>	$\mu\mu\text{f}$
<i>Pentode Unit Connected as Triode:<sup>▲</sup></i>			
Grid No.1 to plate and grid No.2 . . . . .	1.3	1.3	$\mu\mu\text{f}$
Grid No.1 to cathode, grid No.3, and heater	3	3.3	$\mu\mu\text{f}$
Plate to cathode, grid No.3, and heater . .	1.7	2.5	$\mu\mu\text{f}$

Basing Designation for BOTTOM VIEW . . . . .9DW



<sup>o</sup> with external shield JETEC No.316 connected to pin No.5, except as noted.  
<sup>•</sup> with external shield JETEC No.316 connected to ground.  
<sup>▲</sup> Grid No.3 connected to cathode, and grid No.2 connected to plate.

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

← Indicates a change.