6AE6-G

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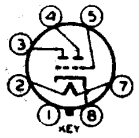
TWIN-PLATE CONTROL TUBE

Heater□	Coated Unipotential Cathode				
Voltage	6.3				a-c or d-c volts
Current	0.15				amp.
Maximum Overall Length					4-1/8"
Maximum Seated Height					3-9/16"
Maximum Diameter					1-9/16"
Bulb					ST-12
Base					Small Shell Octal 7-Pin
Pin 1 - No Connection					Pin 4 - Plate (Sharp Cut-off Triode)
Pin 2 - Heater					Pin 5 - Grid
Pin 3 - Plate (Remote Cut-off Triode)					Pin 6 - Heater
					Pin 7 - Cathode
Mounting Position	BOTTOM VIEW (7AH)				Any



REMOTE CUT-OFF TRIODE

Plate Voltage				250 max.	volts
Characteristics:					
Plate	250	250	250	250	volts
Grid	-35	-15	-6	-1.5	volts
Amp. Fact.				25	
Plate Res. (approx.)				25000	ohms
Transcond.				1000	μmhos
Plate Current	0.01	0.8	2.8	6.5	ma.

SHARP CUT-OFF TRIODE

Plate Voltage				250 max.	volts
Characteristics:					
Plate			250	250	volts
Grid			-9.5	-1.5	volts
Amp. Fact.				33	
Plate Res. (approx.)				35000	ohms
Transcond.				950	μmhos
Plate Current			0.01	4.5	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.

The 6AE6-G provides in effect two triodes with different cut-off characteristics and is intended for use as a control tube for twin-type electron-ray tubes, such as the 6AF6-G. With avc voltage applied to the common grid in suitable circuits, one ray-control electrode serves for strong signals and the other for weak signals.

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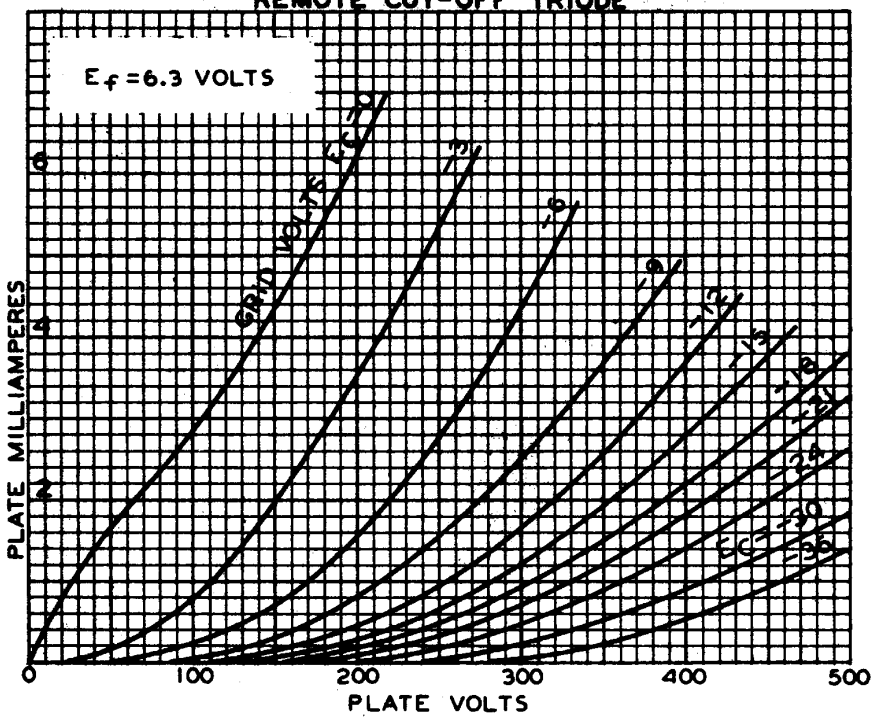
AVERAGE PLATE CHARACTERISTICS
REMOTE CUT-OFF TRIODE



AVERAGE PLATE CHARACTERISTICS
SHARP CUT-OFF TRIODE