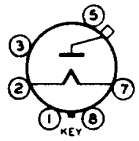
8016

HALF-WAVE HIGH-VACUUM RECTIFIER

1/4-WATT FILAMENT TYPE

Filament	Coated	
Voltage*	1.25	a-c volts
Current	0.2	amp.
Direct Interelectrode Capacitance:		
Plate to Filament	1.5	μμf ←
Maximum Overall Length		4-1/8" ←
Maximum Diameter		1-5/16"
Bulb		T-9
Cap		Small
Base		Intermediate Shell Octal 6-Pin
RCA Socket		Stock No. 9924

Pin 1 - No Connection
Pin 2 - Filament
Pin 3 - No Connection
Pin 5 - No Connection



BOTTOM VIEW

Pin 7 - Filament
Pin 8 { Internal Con. / Do Not Use
Cap - Plate

Mounting Position: Any ←

Maximum Ratings Are Absolute Values

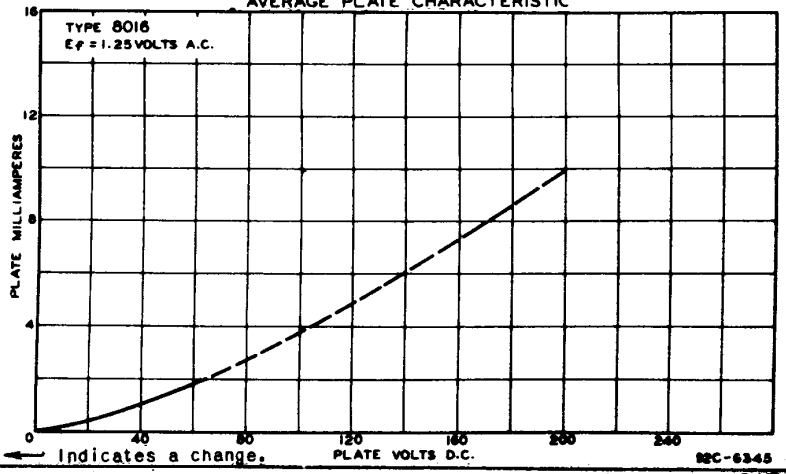
MAXIMUM RATINGS

Peak Inverse Plate Voltage	10000 max. volts
Peak Plate Current	7.5 max. ma.
Average Plate Current	2 max. ma.
Frequency of Supply Voltage#	250 max. kc ←

* The design of the filament will permit the use, in continuous operation, of filament voltages within ± 10% of the rated value without seriously affecting the life of the tube. If greater variations are encountered, it is recommended that some method be provided for automatically regulating the filament voltage.

\# The 8016 because of its low-wattage filament and its low plate-filament capacitance is suitable for supplying high-voltage rectified power from an r-f source. When the filament is operated from an r-f source its temperature must never under any conditions of operation, be allowed to reach a temperature higher than that caused by operating the filament at 1.75 volts from either a d-c or a low-frequency a-c source. An aperture is provided in the plate of the 8016 for observation of the filament temperature. Operation of the filament at a higher temperature than that corresponding to the 1.75-volt condition, even momentarily, is certain to cause damage to the tube even though the filament still lights.

AVERAGE PLATE CHARACTERISTIC



← Indicates a change.

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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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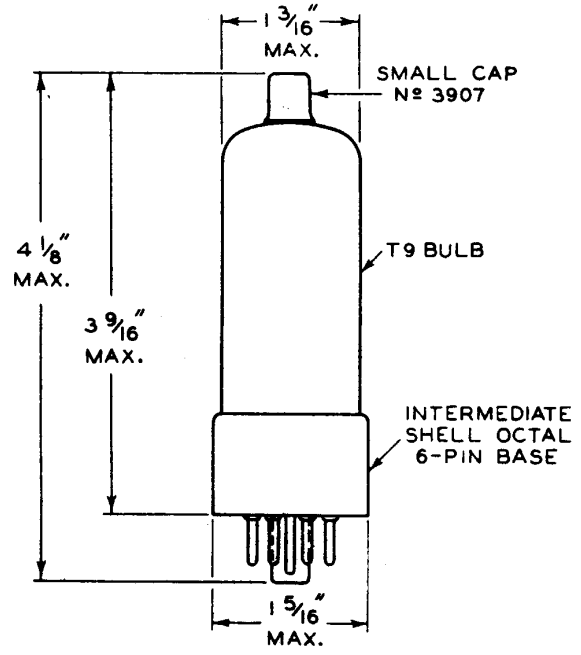

92C-6337R1

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AUG. 2, 1943

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