



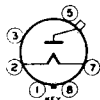
8016

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	2.6	μ f
Maximum Overall Length		4-3/8"
Maximum Diameter		1-5/16"
Bulb		T-9
Cap		Small Metal
Base		Intermediate Shell Octal 6-Pin
RCA Socket		Stock No. 9924
Pin 1—No Connection		Pin 7—Filament
Pin 2—Filament		Pin 8 { Internal Con. Do Not Use
Pin 3—No Connection		Cap — Plate
Pin 5—No Connection		{ Preferably Vertical with Base Down
Mounting Position		



BOTTOM VIEW

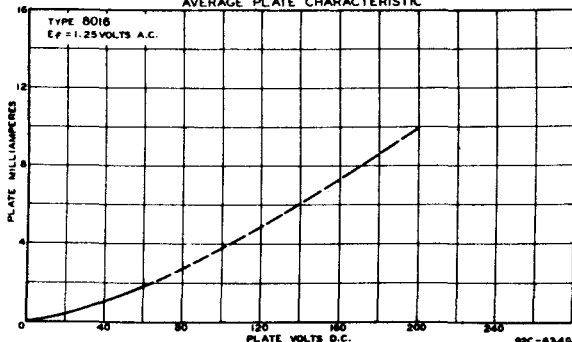
MAXIMUM RATINGS*Maximum Ratings Are Based on a Line-Voltage Design Center of 117 volts*

Peak Inverse Voltage	10000 max. volts
Peak Plate Current	7.5 max. ma.
Average Plate Current	2 max. ma.
Frequency of Supply Voltage*	500 max. kc

* The design of the filament will permit the use, in continuous operation, of filament voltages within $\pm 10\%$ 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



92C-6346

Jan. 30, 1942

RCA RADITRON DIVISION
RCA MANUFACTURING COMPANY, INC.

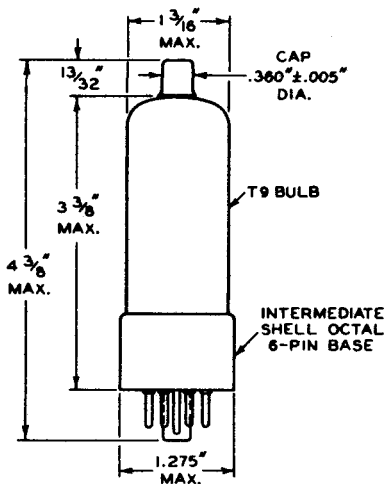
TENTATIVE DATA

8016



8016

HALF-WAVE HIGH-VACUUM RECTIFIER



Jan. 30, 1942

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-6337