

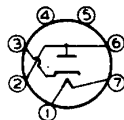


1A3

1A3

### H-F DIODE MINIATURE TYPE

Heater	Coated Unipotential Cathode	
Voltage	1.4	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances (Approx.): <sup>o</sup>		
Plate to Cathode	0.4	μf
Plate to Heater	0.8	μf
Heater to Cathode	0.6	μf
Maximum Overall Length		2-1/8"
Maximum Seated Height		1-7/8"
Length from Base Seat to Bulb Top (excluding tip)		1-1/2" ± 3/32"
Maximum Diameter		3/4"
Bulb		T-5-1/2
Base <sup>▲</sup>	Miniature Button 7-Pin	
Pin 1-Heater	Pin 5 { Internal Con. Do Not Use	←
Pin 2-Plate		
Pin 3-Cathode	Pin 6-Plate	
Pin 4-No Connection	Pin 7-Heater	



RCA Socket Stock No. 9914  
 Mounting Position **BOTTOM VIEW (5AP<sub>2</sub>)** Any

*Maximum Ratings Are Design-Center Values*

#### RECTIFIER

Peak Inverse Plate Voltage	330 max. volts	←
Peak Plate Current	5 max. ma.	←
D-C Output Current	0.5 max. ma.	
D-C Heater-Cathode Potential	140 max. volts	←
<i>Typical Operation with Condenser-Input Filter:</i>		
A-C Plate Supply Voltage (RMS)	117	volts
Filter Input Condenser	2	μf
Min. Total Effective Plate-Supply Impedance	0	ohms

The resonant frequency of the 1A3 is approximately 1000 Mc.  
<sup>o</sup> With no external shield.

<sup>▲</sup> The center hole in sockets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

← Indicates a change

AUG. 2, 1943

RCA VICTOR DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

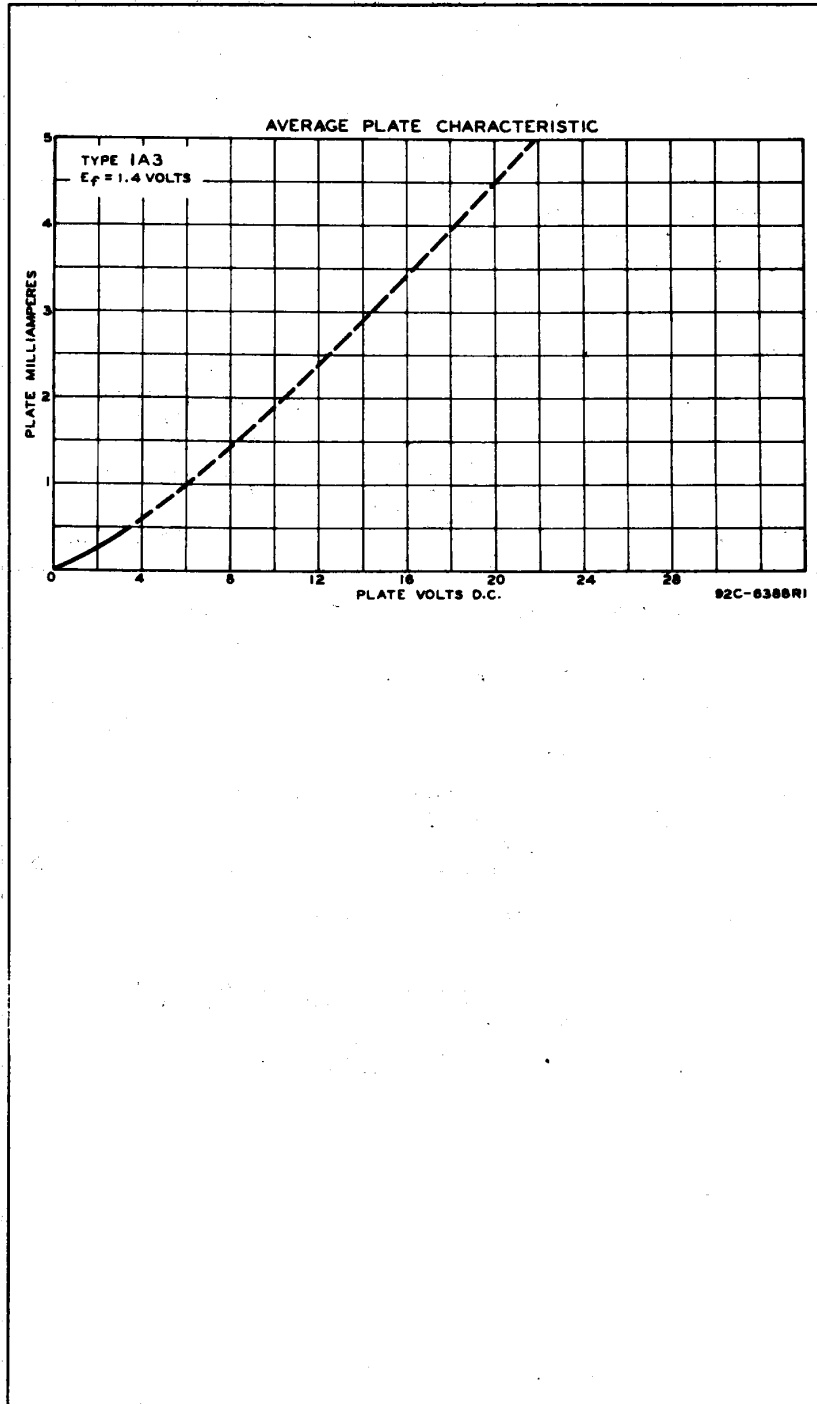
DATA

IA3



IA3

### H-F DIODE



AUG. 2, 1943

RCA VICTOR DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

CE-6388R1