



6BC7

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TRIPLE DIODE

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage 6.3 ac or dc volts

Current 0.450 amp

Direct Interelectrode Capacitances (Approx.):^o

Plate No.1 to Cathode No.1,
Heater, and Internal Shield 3.5 μf

Plate No.2 to Cathode No.2,
Heater, and Internal Shield 5.5 μf

Plate No.3 to Cathode No.3,
Heater, and Internal Shield 3.5 μf

^o With no external shield.

Mechanical:

Mounting Position Any

Maximum Overall Length 2-3/16"

Maximum Seated Length 1-15/16"

Length, Base Seat to Bulb Top (Excluding tip) . . . 1-9/16" \pm 3/32"

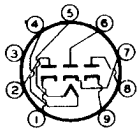
Maximum Diameter 7/8"

Bulb T-6-1/2

Base Small Button Noval 9-Pin (JETEC No.E9-1)

Basing Designation for BOTTOM VIEW 9R

- Pin 1 - Cathode of Diode No.3
- Pin 2 - Plate of Diode No.3
- Pin 3 - Internal Shield
- Pin 4 - Heater
- Pin 5 - Heater
- Pin 6 - Plate of Diode No.2
- Pin 7 - Cathode of Diode No.2
- Pin 8 - Plate of Diode No.1
- Pin 9 - Cathode of Diode No.1



EACH DIODE

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE 330 max. volts

PEAK PLATE CURRENT^o 54 max. ma

DC OUTPUT CURRENT 12 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode . . . 200 max. volts

Heater positive with respect to cathode . . . 200 max. volts

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	Note	Min.	Av.	Max.	
Heater Current	1	0.410	0.450	0.490	amp
Plate Current (1) (Each Unit)	1,2	-	15	21	μamp

^o In rectifier service, the minimum total effective plate-supply impedance per plate is 560 ohms.

MARCH 1, 1954

TUBE DEPARTMENT

TENTATIVE DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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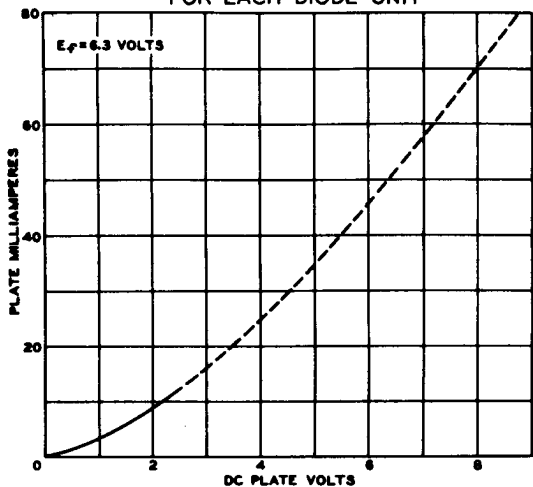
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	Note	Min.	Average	Max.	
Plate Current (2) (Each Unit)	1,3	18	35	65	ma
Ratio of Plate Current of Unit No.3 to Plate Current of Unit No.1 .	1,3	0.77	1	1.3	

Note 1: With 6.3 volts ac or dc on heater.
 Note 2: With plate voltage of 0 volts, and plate load resistance of 40000 ohms. Each unit tested separately.
 Note 3: With plate voltage of 5 volts and no plate load resistance, Each unit tested separately.

AVERAGE PLATE CHARACTERISTIC
FOR EACH DIODE UNIT



92CS-8219