



18FY6

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## TWIN DIODE-HIGH-MU TRIODE

7-PIN MINIATURE TYPE

## GENERAL DATA

## Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC) . . . . . 18 ± 10% volts

Current . . . . . 0.1 amp

Direct Interelectrode Capacitances:

	Without External Shield	With External Shield <sup>o</sup>	
Triode grid to triode plate	1.8	1.8	μf
Triode grid to cathode and heater. . . . .	2.4	2.4	μf
Triode plate to cathode and heater. . . . .	0.22	2	μf
Plate of diode unit No.2 to triode grid. . . . .	0.2 max.	0.2 max.	μf

Characteristics, Class A<sub>1</sub> Amplifier (Triode Unit):

Plate Voltage . . . . .	100	volts
Grid Voltage. . . . .	-1	volt
Amplification Factor. . . . .	100	
Plate Resistance (Approx.). . . . .	77000	ohms
Transconductance. . . . .	1300	μmhos
Plate Current . . . . .	0.6	ma

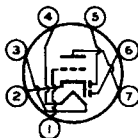
## Mechanical:

Operating Position. . . . .	Any
Maximum Overall Length. . . . .	2-1/8"
Maximum Seated Length . . . . .	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip). . . . .	1-1/2" ± 3/32"
Diameter. . . . .	0.650" to 0.750"
Dimensional Outline . . . . .	See General Section
Bulb. . . . .	T5-1/2
Base. . . . .	Small-Button Miniature 7-Pin (JEDEC No.E7-1)
Basing Designation for BOTTOM VIEW . . . . .	7BT

Pin 1-Grid of  
Triode UnitPin 2-Cathode of  
Triode Unit  
and Diode  
Units No.1  
and No.2

Pin 3-Heater

Pin 4-Heater

Pin 5-Plate of  
Diode  
Unit No.2Pin 6-Plate of  
Diode  
Unit No.1Pin 7-Plate of  
Triode  
Unit<sup>o</sup> With external shield JEDEC No.316 connected to cathode.

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## TWIN DIODE—HIGH-MU TRIODE

TRIODE UNIT — AMPLIFIER — Class A<sub>1</sub>

## Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE. . . . .	150 max.	volts
GRID VOLTAGE:		
Positive-bias value. . . . .	0 max.	volts
PLATE DISSIPATION. . . . .	0.5 max.	watt
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode. .	100 max.	volts
Heater positive with respect to cathode. .	100 max.	volts

## DIODE UNITS — Two

## Maximum Ratings, Design-Maximum Values:

*Values are for Each Unit*

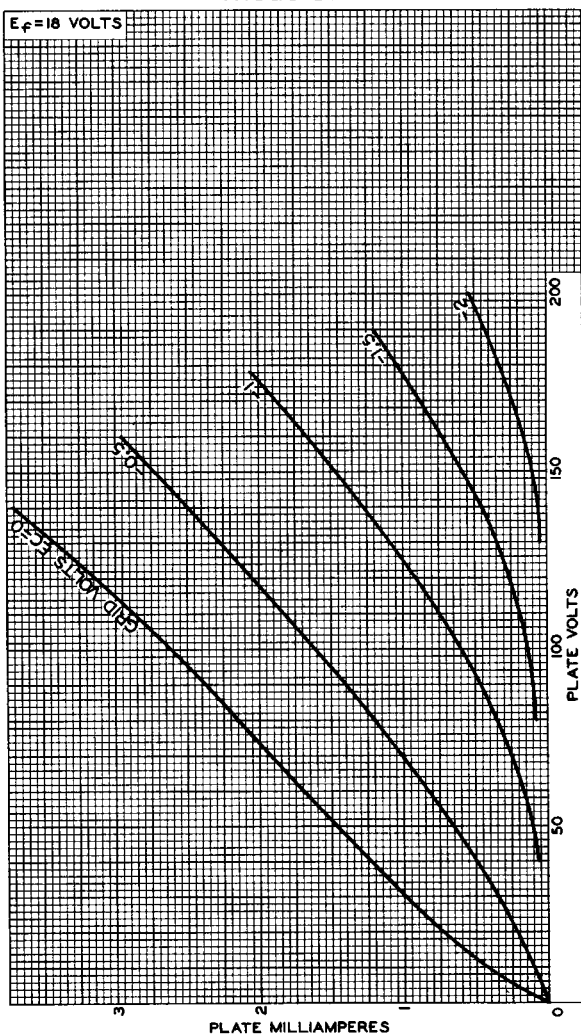
PLATE CURRENT. . . . .	1 max.	ma
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## Characteristics:

Plate Current for plate volts = 10 . . . . .	2	ma
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# AVERAGE PLATE CHARACTERISTICS

## Triode Unit



92CM-10775



RADIO CORPORATION OF AMERICA  
Electron Tube Division

Harrison, N. J.

DATA 2  
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