



26C6

# 26C6 DUPLEX-DIODE TRIODE

MINIATURE TYPE

For use with 12-cell storage-battery supply

## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathode:

Voltage . . . . .	26.5	ac or dc volts
Current . . . . .	0.07	amp

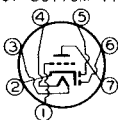
Direct Interelectrode Capacitances:<sup>0</sup>

<i>Triode Unit:</i> Grid to Plate . . . . .	2.0	$\mu$ f
Grid to Cathode & Heater . . . . .	1.8	$\mu$ f
Plate to Cathode & Heater . . . . .	1.4	$\mu$ f

### Mechanical:

Mounting Position . . . . .	Any
Maximum Overall Length . . . . .	2-1/8"
Maximum Seated Length . . . . .	1-7/8"
Length from Base Seat to Bulb Top (excluding tip) . . . . .	1-1/2" $\pm$ 3/32"
Maximum Diameter . . . . .	3/4"
Bulb . . . . .	T-5-1/2
Base . . . . .	Miniature Button 7-Pin
Basing Designation for BOTTOM VIEW . . . . .	7BT

Pin 1-Triode Grid  
Pin 2-Cathode  
Pin 3-Heater  
Pin 4-Heater



Pin 5-Diode Plate No. 2  
Pin 6-Diode Plate No. 1  
Pin 7-Triode Plate

## TRIODE UNIT - Class A<sub>1</sub> AMPLIFIER

### Maximum Ratings, Design-Center Values:

PLATE VOLTAGE . . . . .	250 max.	volts
PLATE DISSIPATION . . . . .	2.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode . . . . .	90 max.	volts
Heater positive with respect to cathode . . . . .	90 max.	volts

### Characteristics:

Plate Voltage . . . . .	26.5	250	volts
Grid Voltage:			
From a fixed supply of . . . . .	-	-9	volts
From a grid resistor of . . . . .	2.0	-	megohms
Amplification Factor . . . . .	17	16	
Plate Resistance . . . . .	15500	8500	ohms
Transconductance . . . . .	1100	1900	$\mu$ hos
Plate Current . . . . .	1.1	9.5	ma.

### Typical Operation with Resistance Coupling:

See RESISTANCE-COUPLED AMPLIFIER CHART, Type 6R7.

<sup>0</sup> with external shield connected to cathode. Values are approximate.

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## DUPLEX-DIODE TRIODE

### DIODE UNITS - Two

The two diode plates are placed around a cathode, the sleeve of which is common to the triode unit. Each diode plate has its own base pin. Diode curves in the front of the RECEIVING TUBE SECTION apply to the 26C6.

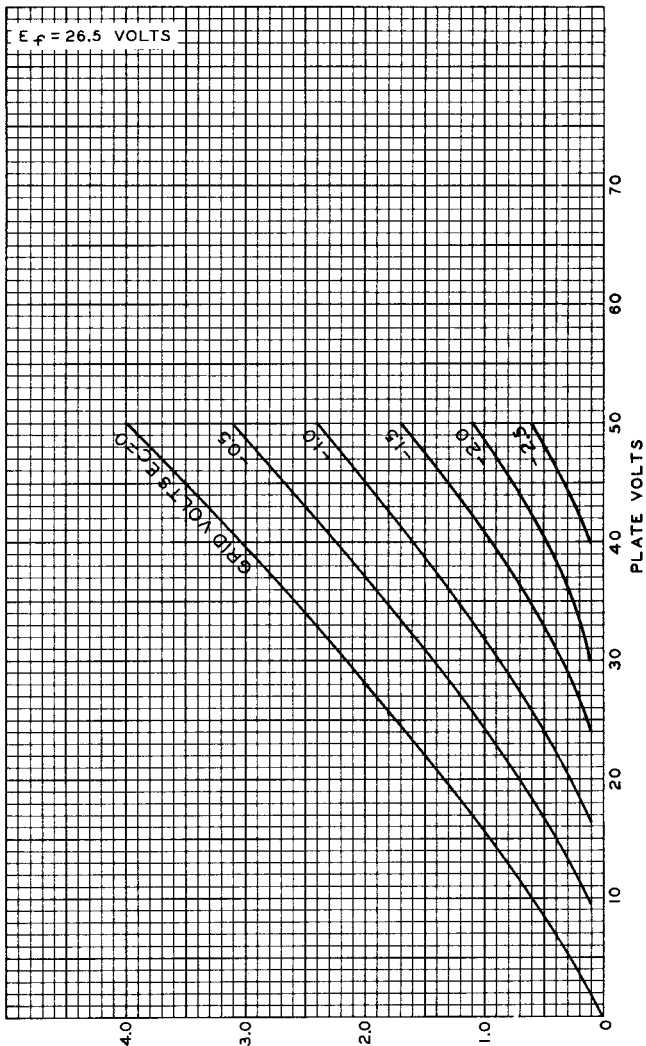
*Additional curves applying to the 26C6  
are shown under Types 6R7, and 6SR7*



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### AVERAGE PLATE CHARACTERISTICS



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PLATE MILLIAMPERES

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6772