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:
Triode Unit: Grid to Plate 2.0 \( \mu \text{f} \)
Grid to Cathode & Heater. 1.8 \( \mu \text{f} \)
Plate to Cathode & Heater 1.4 \( \mu \text{f} \)

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" ± 3/32"
Maximum Diameter 3/4"
Bulb 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 A1 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 \( \mu \text{mhos} \)
Plate Current. 1.1 9.5 ma.

Typical Operation with Resistance Coupling:
See RESISTANCE-COUPLED AMPLIFIER CHART, Type 6R7.

\( ^{0} \text{ with external shield connected to cathode. Values are approximate.} \)

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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